ADF&G TECHNICAL DATA REPORT NO. 23 (Limited Distribution)

STATE OF ALASKA Jay S. Hammond, Governor



REVISED ANADROMOUS STREAM CATALOG OF SOUTHEASTERN ALASKA

Appendix B - District 2

Volume V

North End Area Survey Data

By: Paul Novak 1975

ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revisions will be made via errata sheets. Major revisions will be made in the form of revised reports.

REVISED ANADROMOUS STREAM CATALOG OF

SOUTHEASTERN ALASKA

Ву

Paul Novak
Alaska Department of Fish and Game,
Division of Commercial Fisheries, 1975
Ketchikan, Alaska

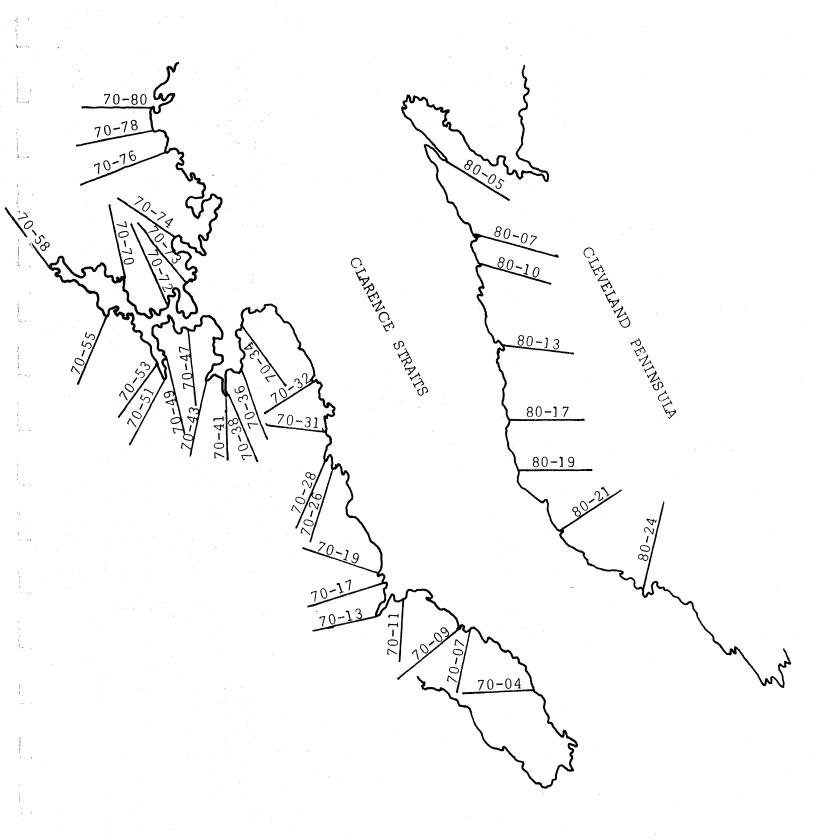
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Appendix B - District 2

Volume V

North End Area Survey Data

1. S.E. Alloska Z. Agdrelogy I. Agency



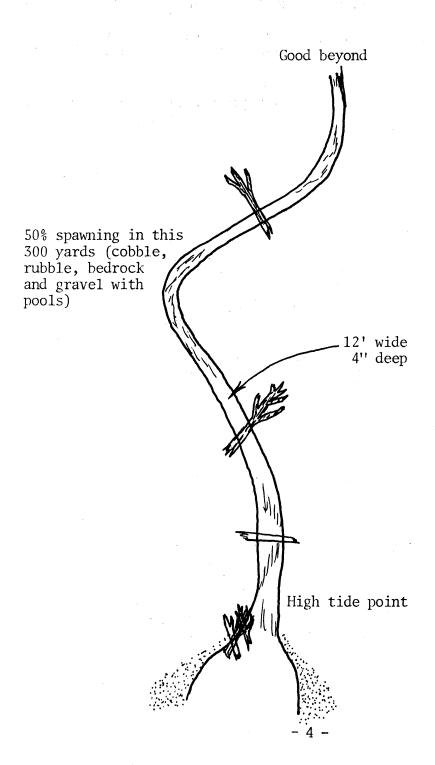
SUMMARY STREAM EVALUATIONS

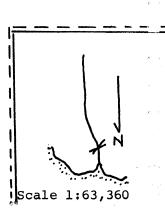
<u>District 2</u>

North End Area

	verage Width	Length	Area (Ft ²)	M ²	Spawning Area (m²)	Available Area (m)
102-70-07	9'	1200'	10,800	1003	50%	502
102-70-09	12'	750 '	9000	836	50%	418
102-70-11	15'	975 '	14,625	1359	62%	846
102-70-13	3.5	825	2917	271	50%	136
102-70-17	20'	900'	18,000	1672	75%	1254
102-70-28	20'	1500'	30,000	2787	75%	2090
To1stoi Bay 102-70-38	15' 15'	900 ' 1350 '	13,500 20,250	1254 1881	50% 75%	627 1411
Tolstoi Bay 102-70-41	17'	2850 '	48,450	4501	63%	2882
Loon Creek 102-70-51	9'	600'	5400	501	50%	250
Setter Creek ITZ 102-70-55	10 ' 15 '	240 ' 600 '	2400 9000	1059 836	50% 50%	529 418
Thorne River 102-70-58	105'	52,800'	5,544,000	515,037	60%	309,022
Control Creek 102-70-58	97 '	10,560'	1,024,320	95,159	50%	47,579
Cutthroat Creek 102-70-58	40'	5280 '	211,200	19,620	75%	14,715
North Thorne River	70'	9780 '	684,607	63,600	80%	53,000
Deer Creek 102-70-70	15' 12'	450 ' 450 '	6750 5400	627 501	20% 15%	125 75
Snug Harbor ITZ 102-70-74	10' 10'	360 900 '	3600 9000	334 836	15% 50%	50 488
102-70-78	10'	750 '	7500	696	50%	348
Meyer's Stream 102-80-05	10' 20'	450 ' 300 '	4500 6000	418 557	5% 40%	20 222

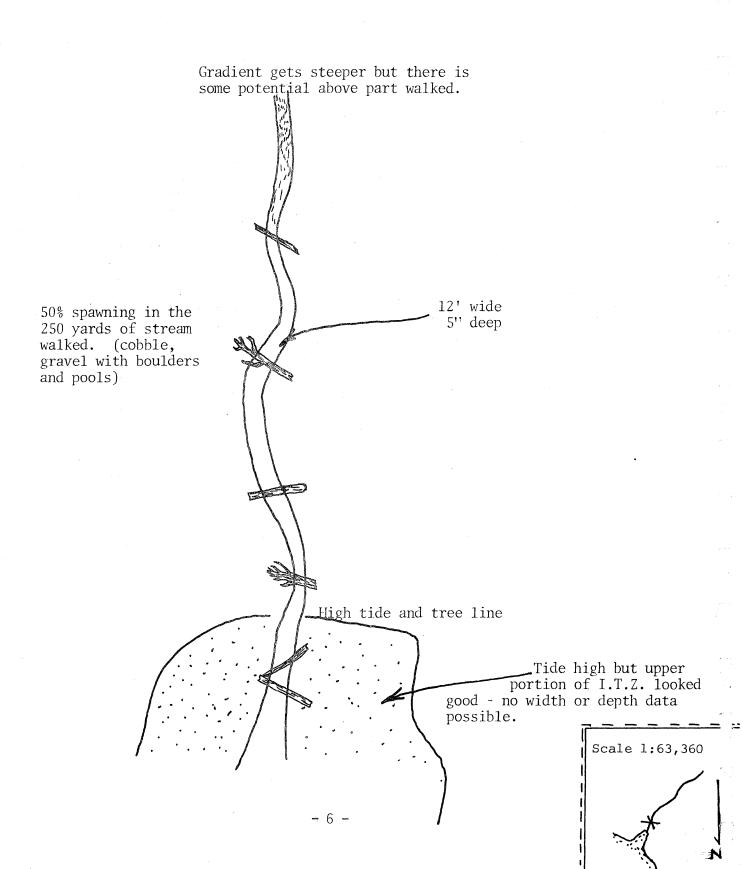
102-80-13	30°	900'	27,000	2508	30%	752
102-80-17	35'	75'	2625	243	25%	60
102-80-19	5.7'	390 '	2250	209	75%	157
102-80-21	25'	360 '	9000	836	10%	83
102-80-24	8' 8'	90 ' 60'	720 480	66 44	10% 30%	6 13



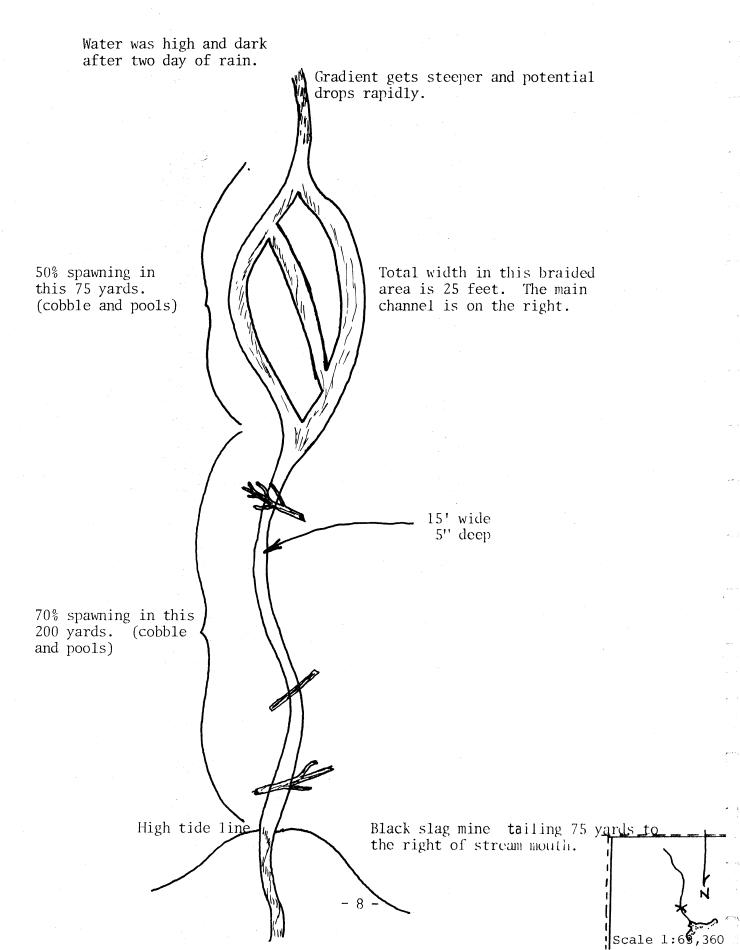


Hame	EE ^o 711 1611	Catalog No. 102-70-07 WR No. K No. Work Area <u>Ketchikan</u>	
Lauritude W 1	72° 171 7511	K NO	
Geodetic Man 1	No Craig C-1	Work Area Kotchikan	
Location 16	miles NW of Streets Is	Watershed Length	
Drainage Area	of Watershed	na or biroa Herigon	***************************************
Water Supply !	Type Spring and runo	ff	
	opinis and rand		
Trails & Surv	ey Routes <u>Walk in st</u>	ream.	
Aerial Survey	Notes Overstory - no	ot feasible to fly.	
Anchorage 0	Good anchorage in Lyman And	chorage - see Coast Pilot.	
Commercial	RCES Fisheries <u>No data</u>		
No I.T.Z. da	ta available because of h	portion walked (10,800 sq. ft. w/50 igh tide but some available.) Available spawning area - 502 M ²	0% ASA)
Timing No	data		
Schooling a	reas <u>No data</u>		
Shellfish P quite high.	otential Possible - 1	looked like some sand on bottom, bu	t tide
Sport Fishe	ries <u>No data</u>		
Land Use at	Present None		
History of	Land Use <u>Mining in ge</u> r	neral vicinity	
Rehabilitat	ion Potential None		
Soils St	able to point walked.		
and the state of t			
CAME RESOURCES			
Bear	Fish carcasses or bones Number of droppings	(old or fresh) on banks, estimate	0
Geese	Number seen on tide flat	S	0
	Number seen up creek		0
. *	Number of broods seen		0,
Mallards	Number seen on tide flat	3	0
	Number seen up creek		0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
	Number seen along creek	•	0
	Number of nests seen and		0
Seals	Number seen at mouth of	stream	. 0
Tide flats -	Estimate length along be	ach	-
	Estimate depth out from	beach	_
	Eel grass present on wha	t percent of flats	0

Water high and dark after two days of rain.



Name		Catalog No. <u>102-70-09</u>	
Latitude N	55° 31' 22'' 132° 14' 20'' No. Craig C-1	WR No.	
Longitude <u>W</u>	132° 14' 20''	K No.	
Geodetic Map	No. <u>Craig C-1</u>	Work Area <u>Ketchikan</u>	
TOCACTOIL 2 IIII	les N.W. of Streets 1s.	Watershed Length	·
	of Watershed		
Water Supply	Type <u>Spring and runof</u>	f	
Trails & Surv	ey Routes Walk in	stream	And other as an analysis
		ory - not feasible.	
		d bight - see Coast Pilot	
Tide Stage Wh	en Surveyed <u>Beginn</u>	ing of ebb.	
FISHERY RESOU	RCES		
Commercial	Fisheries No data		7
Francont	Ont ass to point walk	ed 836 pinks (9000 sq. ft. w/ 50% ASA)	
(NO I T dat	ta hecause of high tide	but some available.) Available spawning area	
Species Com			
		41	
Timing	No data		
Schooling a	reas No data		
Shellfish P	otential None - roc	ky	
Sport Fishe	ries No data		
Land Use at	Present None		
History of	Land Use <u>Mines in vi</u>	cinity	
	ion Potential None		
Reliabilitad	Toll locellotal None		
Soils Stable	to point walked.		
GAME RESOURCES			
Bear		(old or fresh) on banks, estimate 0	
	Number of droppings	0	
Geese	Number seen on tide fla		
	Number seen up creek	0	
	Number of broods seen	0	Markenin e ngayenga esse
Mallards		the state of the s	
	Number seen up creek	0	-
n.c	Number of broods seen	0	
Mergansers -		0	
bard ragres-	Number seen along creek		
Coole	Number of nests seen an		
	Number seen at mouth of		
ride liaus -	Estimate length along b		***************************************
	Estimate depth out from Eel grass present on wh	the state of the s	
	TIVIT ET COD FILEDEITH OIT MIT	ar perceric or regre	



Name		Catalog No102-70-11	
Latitude <u>N</u>	55° 32' 08"	IID M	
Longitude <u>W</u>	132° 16' 53'' No. Craig C-1 n Anchorage of Watershed	K No.	
Geodetic Map	No. Craig C-1	Work Area <u>Ketchikan</u>	
ocation Lyma	n Anchorage	Watershed Length	
rainage Area	of Watershed		
water Supply	Type Spring and run	off with a very small lake at head of o	ne of the
forks.			
rails & Surv	ey Routes Walk in s	tream.	
lerial Survey	Notes <u>Heavy oversto</u>	ory, not feasible.	
<u> </u>			
Anchorage <u>G</u>	ood in Lyman Anchorage	- see Coast Pilot.	
nt 3 - Ot 171	G		
ide Stage wn	en Surveyed <u>High</u>		
FISHERY RESOU	RCES		
Commercial	Fisheries No data		
Escapement_	Available spawning ar	ea - 846 M ²	
(upper porti	on of I.T. looked good.	but covered with tide, so no data)	
Species Com	position <u>No data</u>		
Timing No	data No data		
Schooling a	reas No data		
Shellfish F	otential None - re	ocky	-
Sport Fishe	ries No data		
Land use at	Present Iwo nomes	s 200 yards up beach.	
History of	Land Use Mining in	n vicinity.	
HIBOUT'S OF	Harid OSC Milling II	I VICINITY,	
Rehabilitat	ion Potential None	2	
	Total Cooling Last	2	Personal Property of the Control of
Soils	Stable to point wall	ked.	······································
and the second of the second o			
GAME RESOURCES			
CHOTOOCHI LE IAO			
Bear		es (old or fresh) on banks, estimate	. 0
	Number of droppings		0
Geese	Number seen on tide fl	Lats	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide fl	lats	0
	Number seen up creek		0
	Number of broods seen		. 0
Mergansers -			0
Rald Eagles-			0
	Number of nests seen a		0
	Number seen at mouth of		. 0
Tide flats -	Estimate length along		
	Estimate depth out fro		-
	Eel grass present on t	what percent of flats	0

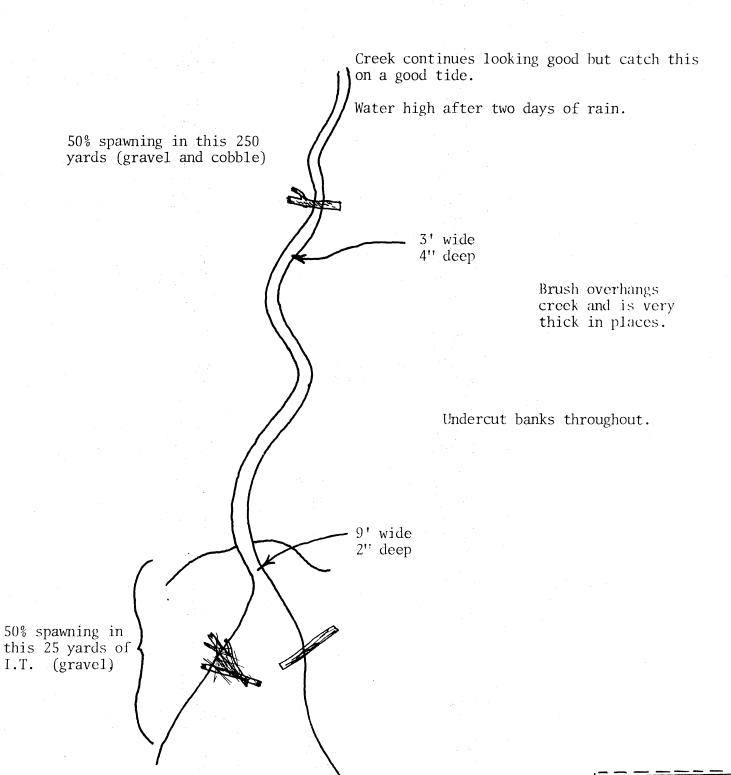
PEAK ESCAPEMENT RECORD

NAME:

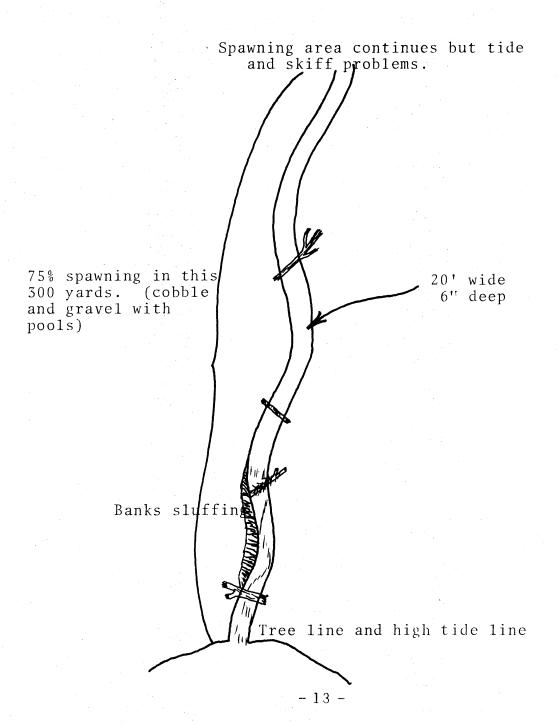
Tolstoi Bay, Head

STREAM CATALOG NUMBER: 102-70-11

DATE	PINK	СНИМ	OTHER SPECIES	REMARKS :
Oct. 7, 1937				Very good escapement (G)
Oct. 1, 1940	10,000	1,000		Excellent (G)
Oct. 11, 1941	12,000	•		Excellent. Chum showing (G)
Sept. 28, 1943	5,000	10,000		Fair. Many dead chum (G)
Oct. 4, 1946	8,500	1,500		Good (G)
Oct. 2, 1953	40	270		Poor. Few chum at mouth(G)
Sept. 2, 1960	0	0		None at mouth (A)
Aug. 18, 1961				None observed (A)
July 30, 1963	N.O.			Good vis. (A)
Aug. 4, 1964	N.O.			Stream very low (A)
			- 10 -	



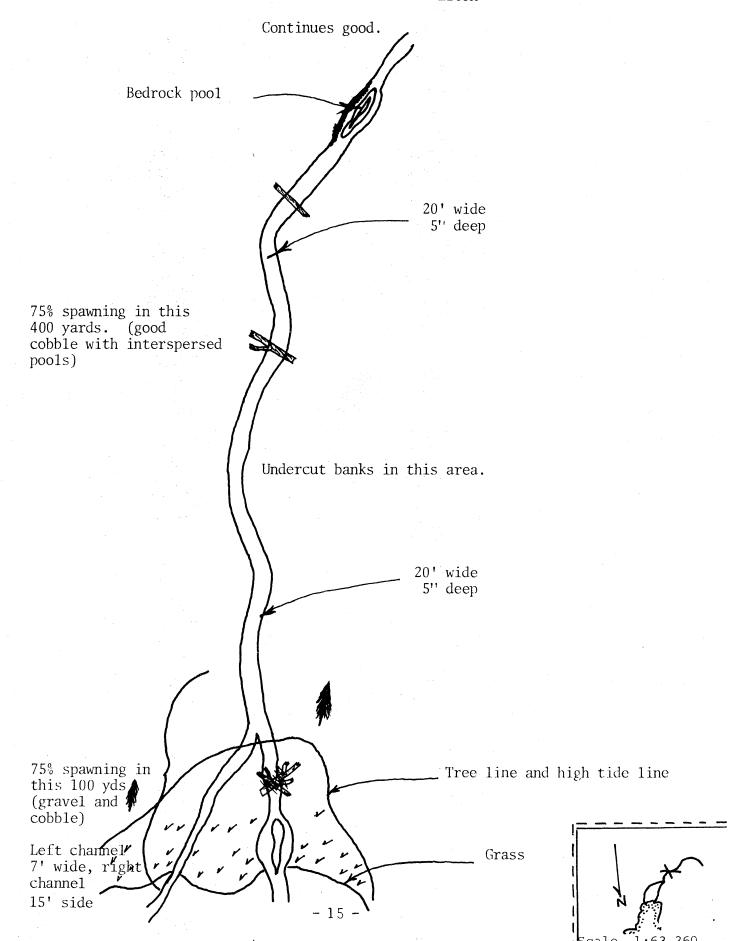
Vame		Catalog No.	102-70-13
Latitude	N 55° 31' 41''	WR No.	
Longitude	N 55° 31' 41'' W 132° 18' 03'' No. Craig C-1	K No.	
Geodetic Map	No. Craig C-1	Work Area <u>Ketc</u>	hikan
Location Head	d of Lyman Anchorage	_ Watershed Lengt	th
	of Watershed		
Water Supply	Type Spring and runo	<u> </u>	
Proile & Curr	ov Poutos Walk in s	troom - bruch hange o	over stream and in places
is verv	thick and difficult to w	valk	
Acrial Survey	Notes Not feasible	very heavy overstor	у.
rounding boarvoy	110,000		
Anchorage L	yman Anchorage - see Coa	ct Dilot	
ride Stage Wh	en Surveyed High.		
FISHERY RESOU	RCES		
	Fisheries <u>No data</u>		
Escapement	Available spawning	g area - 136 M ²	This includes
25 vards	of I.T.Z. not covered b	v tide)	
Species Com	position No data		
Timing No	data		
Schooling a	reas <u>No data</u>		
Shellfish P	otential None - roc	kv	
Sport Fishe	ries No data		
Land Use at	Present None		
History of	Land Use Mining	in vicinity	
111100013 .01	Harra Obe Milling	III VICINITY	
Rehabilitat	ion Potential N	one	
Soils Un	dercut banks throughout.		
GAME RESOURCES			
Bear	Fish carcasses or bone	s (old or fresh) on b	panks, estimate 0
	Number of droppings	•	0
Geese	Number seen on tide fla	ats	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide fla	ats	()
	Number seen up creek		0
ν.σ.	Number of broods seen		()
Mergansers -	Number of broods seen	1	0
Bald Eagles-	Number seen along cree		0
n Fao2	Number of nests seen a		0
	Number seen at mouth o Estimate length along		0
TIUC IIdbS -	Estimate depth out from		
	Eel grass present on w		
	more proportion off M.	reco herecite or trapp	· ·



Scale 1:63,360

Name	Catal	log No	102-70-17	
Latitude	N 55° 32' 52'' WR No	·		
Longitude	W 132° 18' 43" K No.			
Geodetic Map	No. <u>Craig C-1</u> Work	Area Ketc	hikan	and the same and t
iccation 3/16	N 55° 32' 52" WR No. W 132° 18' 43" K No. No. Craig C-1 Work mi. so. of Figgens Pt Water of Watershed	shed Lengt	th	
Drainage Area	of Watershed	The state of the s		
water Supply	Type Spring and runoff			
Trails & Surv	ey Routes <u>Walk in stream</u>			
iidiib a baiv	ey nouses wark in stream			
Aerial Survey	Notes Not feasible - he	avy overst	ory	
Anchorage	<u> Lyman Anchorage - see Coas</u>	t Pilot		
Tide Stage Wh	en Surveyed Uigh	-		
	en Surveyed <u>High</u>			
FISHERY RESOU				
Commercial	Fisheries <u>No data</u>	***************************************		
Escapement	Available spawning area - 1,2	E4 N42		
nboapement_	(does not include I.T. be	cause of h	igh tide)	
Species Com	position No data			
				rend the recent design the flatter and wede
Timing No	data			
Schooling a	data reas No data			
Shallfish F	otential None - rocky			
DIETTITEII I	otential None Tocky			
Sport Fishe	ries <u>No data</u>			
Land Use at	Present None			
nistory of	Land Use None			
Rehabilitat	ion Potential None			
	Hone			
Soils Si	uffing area on right side j	ust above	I.T.Z.	
				-
GAME RESOURCES				
Bear	Fish carcasses or bones (old or	· fresh) on t	anks. estimate	0
	Number of droppings			0
Geese	Number seen on tide flats			0
	Number seen up creek		_	0
Mo 7 7 om 8 =	Number of broods seen		_	0
Mallards	Number seen on tide flats		•	0
	Number seen up creek Number of broods seen			· 0
Mergansers -	Number of broods seen			0
	Number seen along creek		<u>.</u>	
	Number of nests seen and locati	on		0
	Number seen at mouth of stream		-	. 0
Tide flats -	Estimate length along beach			_
	Estimate depth out from beach	0.07		
	Eel grass present on what perce	nt of flats		U

102-70-28 6-20-74 Elton

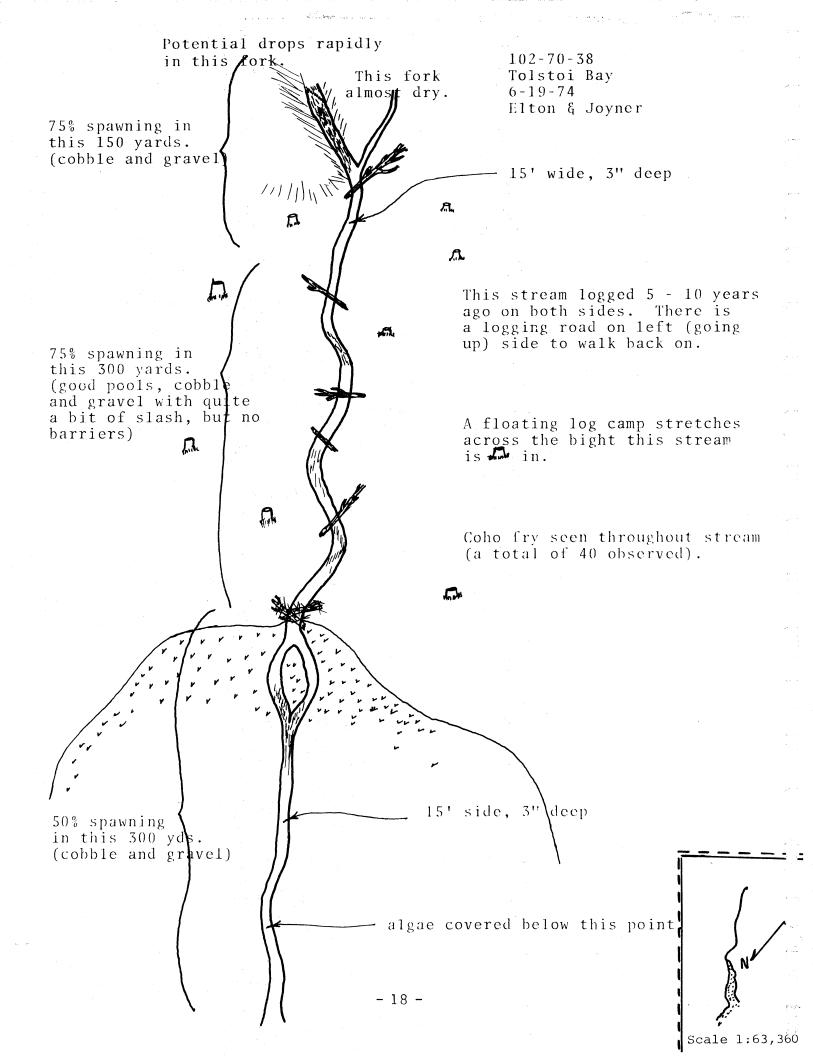


Name		Catalog No. <u>102-70-28</u>	
Latitude N	55° 37' 17''	WR No.	
Longitude W	132° 21' 13''	WR No. K No. 182 Work Area Ketchikan Watershed Length	
Geodetic Map	No. Craig C-2	Work Area Ketchikan	-
Location Head	of Windfall Harbor	Watershed Length	
Drainage Area	of Watershed		
Water Supply	Type Spring and runo	ff	
		stream	
Aerial Survey	Notes <u>Heavy overst</u>	ory - not feasible.	
Anchorage W	indfall Harbor is a poor	anchorage - Use Lyman Anchorage. See Coast	
Pilot.	en Surveyed 3/4 fl	ood	-
		oou	
FISHERY RESOU		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	105
Commercial	Fisheries This str	eam has only one recorded survey on Sept. 22,	<u>19</u> 5.
Dy F.K.I. Facanement	Available gnawning a	rea - 2,090 M ² - this does not co	
T T area	covered by tide or snawn	ing area above point walked.)	VEI
		survey a total of 164 chums in stream and 250	
ninks off	the mouth		
Timing	Appears to be late		
Schooling a	Appears to be late reas No data		
Shellfish P	otential Possible	off mouth - appears to be sandy.	
Sport Fishe	eries <u>No data</u>		
Tand Hea at	Present None		
Land USE at	11-esent None		
History of	Land Use None		
			
Rehabilitat	ion Potential No	ne	
(1 - • 7			
Solls St	able for the most part b	ut some undercut banks.	
GAME RESOURCES			
CAUD TEDOOROUS			
Bear		s (old or fresh) on banks, estimate 1	
	Number of droppings	0	
Geese	Number seen on tide fla		
	Number seen up creek	0	
תר חוד ה	Number of broods seen	0	-
Mallards	Number seen on tide fla		-
	Number seen up creek	0	
Monanagawa	Number of broods seen	0	
Mergansers - Bald Eagles-	Number of broods seen	0	
rata ragies-	Number seen along creek Number of nests seen a		
Seals			
Tide flats -	Estimate length along 1	· · · · · · · · · · · · · · · · · · ·	
11000 -	Estimate depth out from		
	Eel grass present on wi		

PEAK ESCAPEMENT RECORD

NAME: Windfall Harbor, Head

ept. 22, 1951 0 109 250 pink at mouth (G)	DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
	ept. 22, 1951	0	109		250 pink at mouth (G)
	•				
	• .			,	
	•				
			, , , , , , , , , , , , , , , , , , ,	•	
					•
- 17 -			No. of the second		





ritialti	Catalog No
Latitude N 55° 37' 35" Longitude W 132° 251 15"	Catalog No. 102-70-38
Longitude W 132° 25' 15" Geodetic Map No. Crair G 2	WR No.
Geodetic Map No. Craig C-2	K No. 183 A
Iccations side of Tolstoi Bay	
Drainage Area of Watershed	Watershed Length
Water Supply Tupo	
Water Supply Type Spring and runoff	
Trails & Survey Routes Give 511	
the left side (minutes)	ow the stream - there is a logging road on
for al Survey Motor P	ow the stream - there is a logging road on walk back on.
Aerial Survey Notes Brushy in spots	
Anchorage	
Anchorage Tolstoi Bay (see Coast Pilot)	
Tide Stage When Surveyed Low	
FISHERY RESOURCES	
Commercial Fisherics	
pink 500 chum) - in 1042 (5 000 iii	1940 (2,000 pink, 500 chum) - in 1941 (2,500
<pre>pink, 500 chum) - in 1943 (5,000 pink, Escapement Available spawning area</pre>	
Available spawning area	$\frac{(112) - 02}{(112)}$
Species Composition 5	(stream) - 1,411 M2
Species Composition 51% pinks and	49% chum in three years surveyed, but
fluctuation in each years percentages. Timing Late	
Schooling areas No data	
NO data	
Shellfish Potential None-rocky	
NOTE TOCKY	
Sport Fisheries No data	
Land Use at Present Floating log car	mp stretches clear across the bight this
stream is in.	mp stretches clear across the bight this
History of Land Use Logged - 5-10	
	years ago
Rehabilitation Potential None	
Soils <u>Stable to point walked</u> .	
11023504	
GAME RESOURCES	
Bear Fish carcasses or bones (old or fresh) on banks, estimate
Transfer of at oppings	
Geese Number seen on tide flats	
Number seen up creek	
Number of broods seen	0
Mallards Number seen on tide flats	0
Number seen up creek	0
Number of broods seen	0
Mergansers - Number of broods seen	0
Bald Eagles- Number seen along creek	0
Number of nests seen and Seals ———— Number seen at mouth of s	location 0
	tream 0
Tide flats - Estimate length along bea	ch
Estimate depth out from b	each
Eel grass present on what	percent of flats



ritanit		Catalog No	102-70-38	***************************************
Latitude N 5	5° 37' 35"	WR No		
Longitude w 13	32° 25! 15"	$V V O \bullet V O \bullet V$		
Geodetic Map 1	NO. Craig C-2	Work Area Ket	chikan	
Iccations side	of Tolstoi Bay	Watershed Leng	5th	
Drainage Area	of Watershed			
Water Supply '	Type Spring and runoff			
Trails & Surve	ey Routes Going up fol	low the stream - th	ere is a logging re	oad on
the left	side (going upstream) t	o walk back on.	and the second section of the second section of the second section of the second section secti	-
Aerial Survey	Notes Brushy in spots	many water consisted and product constitution of the constitution	neume ere neumene siene ete e se neumene son de la rendu son dinhamma andere e e E	The second secon
		Militaria, militaria materia e attivida di distributa della constanti della comi e a diferenti di distributa della constanti di distributa di di distributa di di distributa di di distributa di distr	antique antique de la company	and the second second and additional and a second second
Anchorage Tols	stoi Bay (see Coast Pilot	<u></u>		
Tide Stage Wh	en Surveyed _{Low}			
FISHERY RESOU	RCES			•
Commercial	Fisheries Surveyed i	n 1940 (2,000 pink,	500 chum) - in 19	41 (2,500
pink, 500 chum	n) - in 1943 (5,000 pink,	8,000 chum)		
Escapement	Available spawning area	$_{\rm a}$ (ITZ) - 627 ${ m M}^2$		
	Available spawning area	a (stream) - 1,411 N	√12	
Species Com	position <u>51% pinks and</u>	49% chum in three	years surveyed, bu	t
fluctuation in	n each years percentages.			
Timing Late				
Schooling a	reas No data			
Shellfish P	otential <u>None-rocky</u>			
Sport Figho	ries No data			
phone trans	ries No data			**************************************
Land Use at	Present Floating log o	amp stretches clear	across the bight	this
stream is in.				
History of	Land Use Logged - 5-1	.0 years ago	anni Millian de Santini Milliand Milliand de Maria de Maria de Maria de Maria de La Carte de La Carte de La Ca La Carte de	The state of the s
	•			
Rehabilitat	ion Potential None	•		*
	Land Use Logged - 5-1 ion Potential None			
Soils <u>stable</u>	e to point walked.			
		t to the second of the second		
GAME RESOURCES				
Boom	Tich appeared on honor	(ald on flood) on	hanles satisments	
Dear -	Fish carcasses or bones	(ord or, riesu) ou	banks, estimate	
Coogo	Number of droppings	·+ ~	•	1
Geese	Number seen on tide fla	IUS		0
•	Number seen up creek			
Mallanda	Number of broods seen	- h		0
Mallards —		US		0
	Number seen up creek			0
Maramanaara	Number of broods seen	•		0
	Number of broods seen			0
baid bagies-	Number seen along creek			0
Coclo	Number of nests seen as			<u> 0</u>
	Number seen at mouth of			0
Tide Haus -	Estimate length along l			_
	Estimate depth out from			_
	Eel grass present on w	au percent of flat	S	0

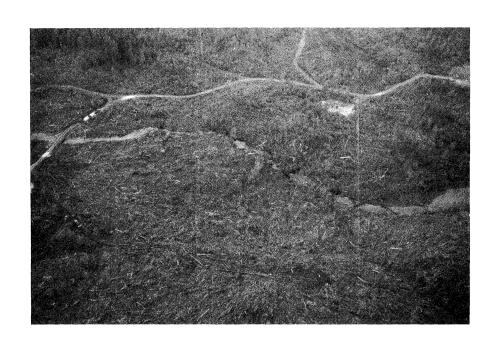
PEAK ESCAPEMENT RECORD

Tolstoi Bay, E. shore 1.8 miles from head

STREAM CATALOG NUMBER: 102-70-38

	DATE	PINK	CHUM	OTHER SPECIES	REMARKS
-	Oct. 1, 1940	2,000	500		Excellent (G)
	Oct. 11, 1941	2,500	500		Excellent (G)
	Sept. 27, 1943	5,000	8,000		Fair. 1,000 fish off mouth (G)
	•				
	•				
-					
				- 21 -	

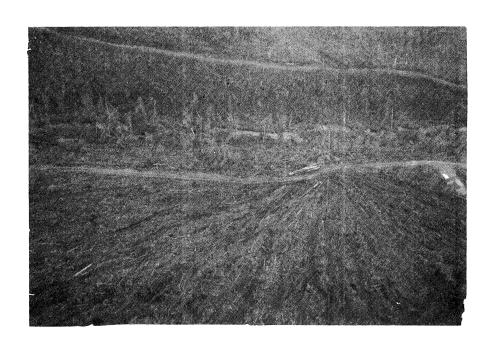
102-70-41 Head Tolstoi 6 - 19 - 74Elton - Joyner 50% spawning in this 250 yds with slash this drops to 30%. 50% spawning in this 150 yds. This is optimum, with the slash it drops to 35%. 60% spawning in this 150 yds. 17' wide (cobble, gravel and pools) 6" deen one Dolly fry. This is a logging slash barrier. Without the slash this area has 75% spawning (cobble and pools). 150 yds. long. Station #1 20 coho fry observed in shallow pool 60% spawning in this 250 yds. of I.T. (cobble, sand with some algae) 350 yds. to bay at low tide 25' wide very little spawning area. 4" deep







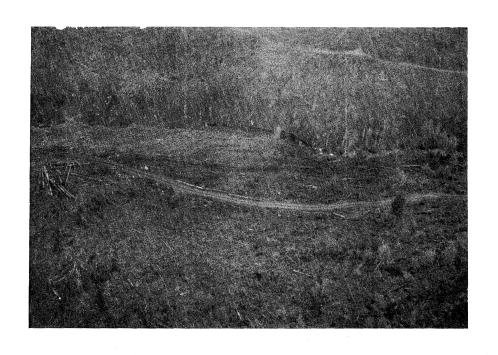




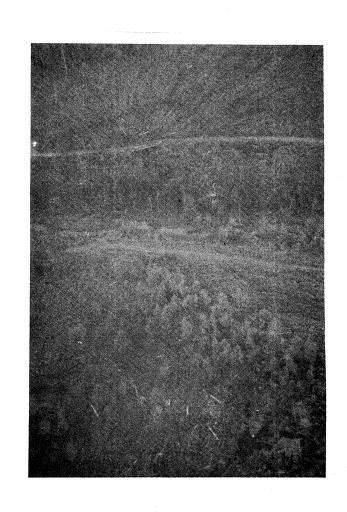










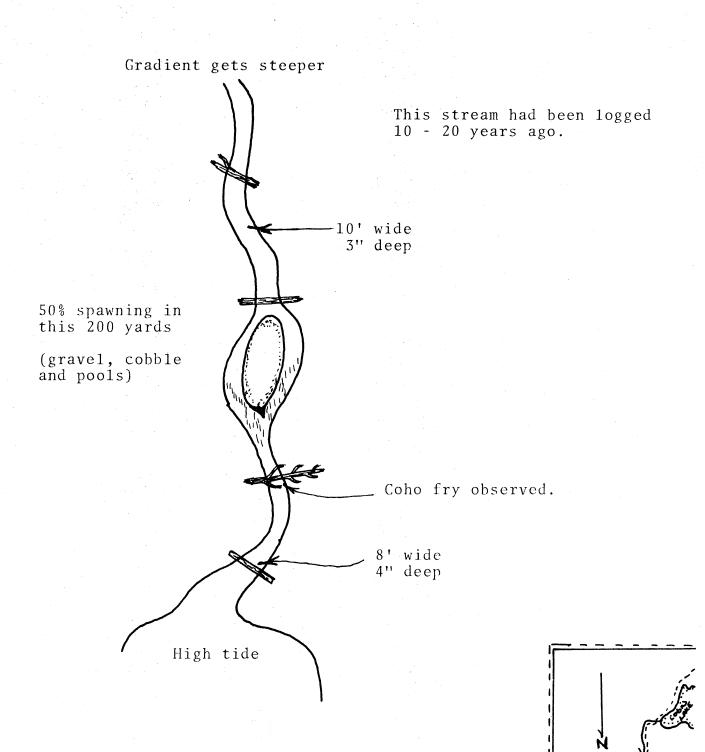


Name		Catalog No	102-70-41	
Latitude N 5	5° 36' 34" 2° 27' 04" Craig C-2	WR No. 183		
Longitude <u>W 13</u>	2° 27' 04''	K No. <u>183</u>		
Geodetic Map No.	Craig C-2	Work Area Ketch	ikan	
THOUGHTON HEAD U	I IUISTUI Day	Work Area <u>Ketch</u> Watershed Lengt	h	
Drainage Area of	watershed			
Water Supply Typ	be Lake, spring a			
Trails & Survey	Routes Walk in st	ream		
Aerial Survey No	otes Stream wide op	en from logging.	k antra i na sannantra kapi i kisa sapi ya Nakata kabanaka nakataka nakataka kabanaka.	Alle Control of the C
Anchorage Good	anchorage in Tolst	oi Bay. (see C	oast Pilot)	
Tide Stage When	Surveyed 1/2 floo	d		
FISHERY RESOURCE				
	sheries <u>Peak count</u>	s in 10/11 and 10	17 hy EWC 1	041 12 000
ninks: 1943	5,000 pinks and 10 ,	onn chums	43 DY FWS - I	941, 12,000
Escapement	Available spawning	area - 2.882 M ²		
March on the suppression of the	iivaiiasio spavviiiig	0100 07000 111		
Species Compos	sition <u>Varies, bu</u>	t in surveys fro	m 1941-1946 p	inks
predominate e	xcept in 1943.			
Timing Late				
Schooling area	as No data			
Shellfish Pote	ential <u>Possible</u>	- mud and sand f	lats.	·
	and the second of the second o			
Sport Fisheri	es <u>No data</u>			
Land Use at P	resent Logging			
	2			
				•
Rehabilitation	n Potential Agr	eat deal of slas	<u>h in the cree</u>	k and next
to it from lo	gging - this should			
Soils Stable	to point walked.			<u>preferably</u> .
				The state of the s
GAME RESOURCES				
		(ald on foodb) on b	onles of the section	
	sh carcasses or bones mber of droppings	(ord or, riegn) on p	anks, escurate	0
	mber of droppings mber seen on tide flat	c		0
	mber seen up creek			0
	umber of broods seen			0
	mber seen on tide flat	S		0
	mber seen up creek	~ 		0
	mber of broods seen			0
	mber of broods seen			0
	mber seen along creek			0
	mber of nests seen and	location		0
	mber seen at mouth of			0
	stimate length along be			pungungan and medically commonwhile control by
	stimate depth out from			gruppings (millionistis millionistis britanistis) i e milionis (millionis) gruppings (millionis) (mi
	el grass present on wha			0
223	0, 1, 1, 1,			

Observers: Joyner, Eltor Date: 6-19-74	Temperature: 58° Weather: Overcast														
Obse Date	Temperat Weather:														
RY FORM	lstoi 0-41														
	Name: Head Tolstoi Number: 102-70-41														
STREAM INVE	Name: H.		,										-		
															·
			2/2	17'w.			<u></u> -		13			20		S	aran da la mada, salah da masasa yar sasa
			-	ومنوسود والمداد والمداد	2	4	ity 1/1	2) 13.13		2	1/	a variety and the same	was 2	2
		Station No.	Pool Size/Type	Rifie Type Width - Depth	Pool Riffle Frequency	Bortom Type (Riffle)	Color/Turbidity	Velocity	Flow (C.F.S.)	Temp. (0F.)	H	fry Abundance	genthes Sample No.	Migher Plant Class	Aquatic Veg. Donsity Ident.

Ceneral Remarks (rehab., land use, barriers, log jams, etc.): This stream has been totally filled in by slash.

102-70-51 Loon Creek 6-18-74 Joyner - Elton

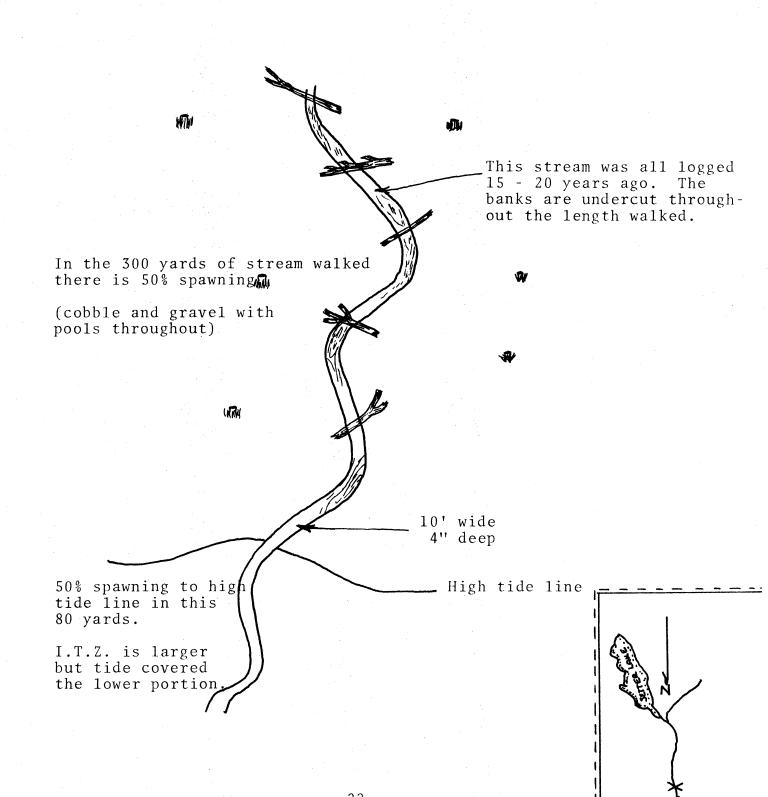


||Scale 1:63,360

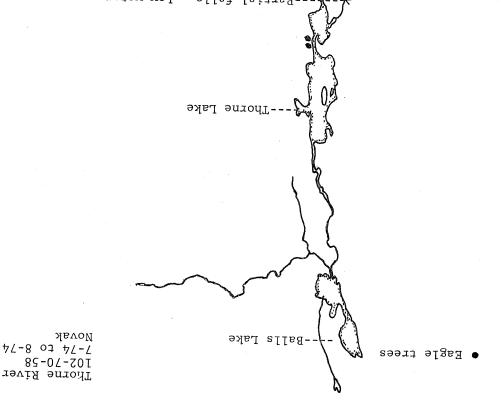
Name Loon Creek		Catalog No.	102-70-51	
Latitude N 55° 3	8' 14''	WR No.		
Longitude W 132° 2	9' 02"	11 110 •		
Georgette Map No. Cra	1g - L-Z	WOLK Area Ket	chikan	
Location Head S.Arm	of Thorne Bay	Watershed Leng	th	
Drainage Area of Wate			and the second s	Automorphism and the second floor
Water Supply Type	Lake, spri			
Trails & Survey Route	OS Walk in et	r A a m	and the second section of the second	
· · · · · · · · · · · · · · · · · · ·				
Perial Survey Notes	Water dark	but probably fro	om rain.	The state of the s
Anchorage <u>Tie up</u>	at Thorne Bay	logging camp or	anchor in Tolsto	oi Bay
Tide Stage When Surve	eyed 3/4 f	lood		
FISHERY RESOURCES				
Commercial Fisherie	es No data			
Escapement Availab	<u>le spawning area</u>	- 250 M ²		
this does not inc Species Composition	lude I.T.Z. be	cause of high t	ide.	
Species Composition	n No data			
Timing No data				
Timing No data Schooling areas	No data			Note that the second of the se
Shellfish Potentia	l Possible -	long mud flats		
Sport Fisheries	No data			
Land Use at Presen				
History of Land Us	e Logged	- 10-20 years a	ago	
Renabilitation Pot	ential No	16		
Remabilitation 100	TIO.E CO.E. IVO.	10	are no salanda de como de troma de como de com	Marry Menone retendant fluoritina con access
Soils Stable to po	oint walked.			
GAME RESOURCES				
Bear Fish car	casses or bones	(old or fresh) on i	banks, estimate	0
	of droppings			1
	seen on tide flat	S	Sector Palaceper	0
	seen up creek		·	0
	of broods seen seen on tide flat		, and the second	0
	seen up creek	5		0
	of broods seen		Aur (British	0
	of broods seen		-	0
-	seen along creek		B-ARA ANA	 0
Number o	of nests seen and			0
Seals Number s			A 40 TO A 40 T	0
Tide flats - Estimate				
	depth out from			
Eel gras	ss present on wha	t percent of flats		0

102-70-55 Setter Creek 6-19-74 Elton

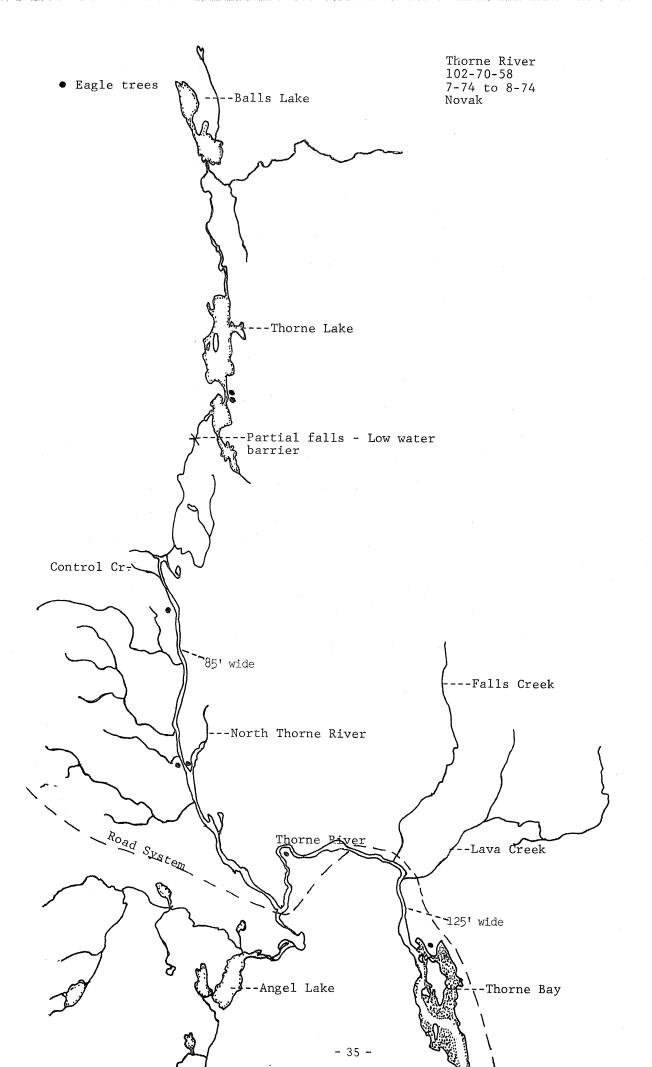
The water was high after one day of rain



| Scale 1:63,360



Shellfish Potential Possible - mud flats Sport Fisheries No data Land Use at Present None History of Land Use Logged 15-20 years ago Rehabilitation Potential. None Soils Undercut banks along length GAME RESOURCES Bear ---- Fish carcasses or bones (old or fresh) on banks, estimate Number of droppings Number seen on tide flats Number seen up creek Number of broods seen Mallards --- Number seen on tide flats 0 Number seen up creek Number of broods seen 0 Mergansers - Number of broods seen 0 Number seen along creek Bald Eagles-Number of nests seen and location 0 Seals ---- Number seen at mouth of stream Tide flats - Estimate length along beach Estimate depth out from beach Eel grass present on what percent of flats



l'ene Th	omno Disson	italog No	100 50 50	
Tabitude Inc	rne River Ca N 55° 41.9' WF W 132° 34.3' K	NO. 140	102-70-58	
Tongitude	W 132° 34 3' K	NO. 194		-
Geodetic Map	No. <u>Craig D-3, C-3, C-12</u>	ork Area Votal	oilean Theorem	- D
Location Pr.	of Wales - Thorne Ray Wa	tershed Length	11 Kan, Inorn	е вау
Drainage Area	of Wales - Thorne Bay Wa of Watershed 210 sq. m	iles (polar pla	nimeter)	
Water Supply	Type Lake system with ma	any tributaries	supply wate	r to the
system. 1	recipitation & snowfiel	ds.		Comment of the Commen
Trails & Surv	ey Routes Skiff may be	used at high t	ide to surve	y 3 miles
	Trails (bear) along bot			
	Notes Muskeg colored water		poor during mo	ost times of the
	ater & sunshine day only pos			The same of the sa
Anchorage A	ailable about 2 miles from t	he head of the bay	. Floats may l	<u>oe available</u>
at the loggi	ng camp. en Surveyed Ebb tide.			
Tide Stage Wn	en Surveyed Ebb tide.			
FISHERY RESOU				
	Fisheries Pink, chum, coh	o, red. King salmo	on have been ru	mored to use
this system	(undocumented).	T 100	1074 07 00	
	High history 98,000 - 1966.	Average Esc. 1960	J-19/4 - 23,000	J
	pawning area - 309,022 M ²	C 11	1 1 1	
Species Com	position <u>Unknown but pink</u>	most numerous follo	owed by chum ar	nd coho.
Timing Is	te - September, October (pin	k - chim) Tuly -	sockeye	
	reas ITZ schooling in are			m schooling
	pools found throughout the s		i bay: opsered	All SCHOOLINE,
	otential Non-productive		dicated from F	R.I. in-
vestigations	•			
Sport Fishe	ries Excellent cutthroat,	Dolly Varden, stee	elhead, coho,	sockeye, pink,
chum fisher	es present. Road access from	m Craig - Hollis.		
	Present Logging along low	er end of watershed	d. Road paral	lels system
for several				
History of	Land Use Trapping cabins	were established a	long entire rol	ite, mineral
Pohobilitot	during early years with logg ion Potential None nece	scame at the process	1 1950 S.	mnor falls
helow Thorne	Lake may warrant further st	ssary at the present	it time. The t	ipper rarrs
Soils State	le in most areas but suscept	able to erosion wi	th land use in	fringments.
DOTTO	To III most areas but suscept	apic to crosson wi		
			······································	
GAME RESOURCES	•			
	71.			
Bear	Fish carcasses or bones (old	d or fresh) on ban	ks, estimate	numerous
Coogo	Number of droppings			numerous
Geese				10
	Number seen up creek Number of broods seen			20
Mallards	Number seen on tide flats	•		$\frac{1}{10}$
Pictificat (1)	Number seen up creek			0
	Number of broods seen			0
Mergansers -				 4
Bald Eagles-				
	Number of nests seen and lo	cation		refer to map
Seals				0
Tide flats -	Estimate length along beach			3 miles
	Estimate depth out from bea			20' - 150'
	Eel grass present on what p	ercent of flats		0

NAME: Thorne River

STREAM CATALOG NUMBER: 102-70-58

		l		
DATE	PINK	СНИМ	OTHER SPECIES	REMARKS
Oct. 8, 1937				River high and discolored, Good escapement presumed from fish seen dead on banks.
Ct. 2, 1940				Good. Good showing live and dead fish (G)
Oct. 12, 1941				Good, Many dead fish. Water high and muddy(G)
Sept. 28, 1943				Fair.15,000 off mouth, No estimate in stream (G)
Oct. 4, 1946				No estimate possible (G)
Oct. 9, 1947				Poor. Eew fish. Water discolored(G
Aug. 14, 1948			500 red :	(G)
Aug. 21, 1948		200		(G)
Sept. 12, 1949	5 ,88 9	1,275		Survey terminated just above Thorne River Club camp site (G)
oct. 2, 1953				Poor. Little showing, pink, few chum. Visibility poor.Resident reports good early red run, pink
			:	and chum run poor (G)
Aug. 24, 1954	3,500			>3,000 in mouth (A)
Sept; 17, 1954	The state of the s	4,000		Est. 10,000 above marker (A)
July 24, 1956			500 coho 10,000 ređ	400 coho at mouth
ept. 9, 1956	>40,000			Est. 3-5 times more in pool (A).
uly 1, 1957			5,000 red	
July 25, 1957			200 cono	
ept. 16, 1957	2,000			(G)
\$ept. 27, 1957		15,000		Some dead pink. No fish observed off mouth (A)
Aug. 6, 1959	500		200 ccho, 500 red	None at mouth (A)
Sept. 16, 1960				None at mouth. Water dark (A)
 Bept. 18, 1961	500	1,500	- 37 -	Forest Service (G)

NAME:

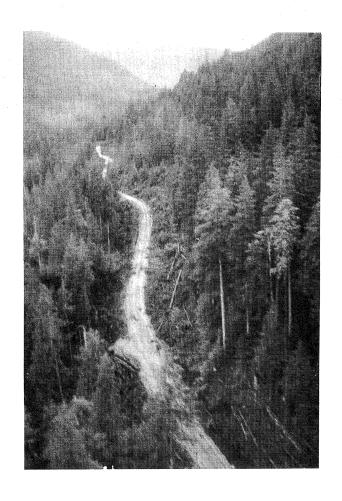
Thorne River

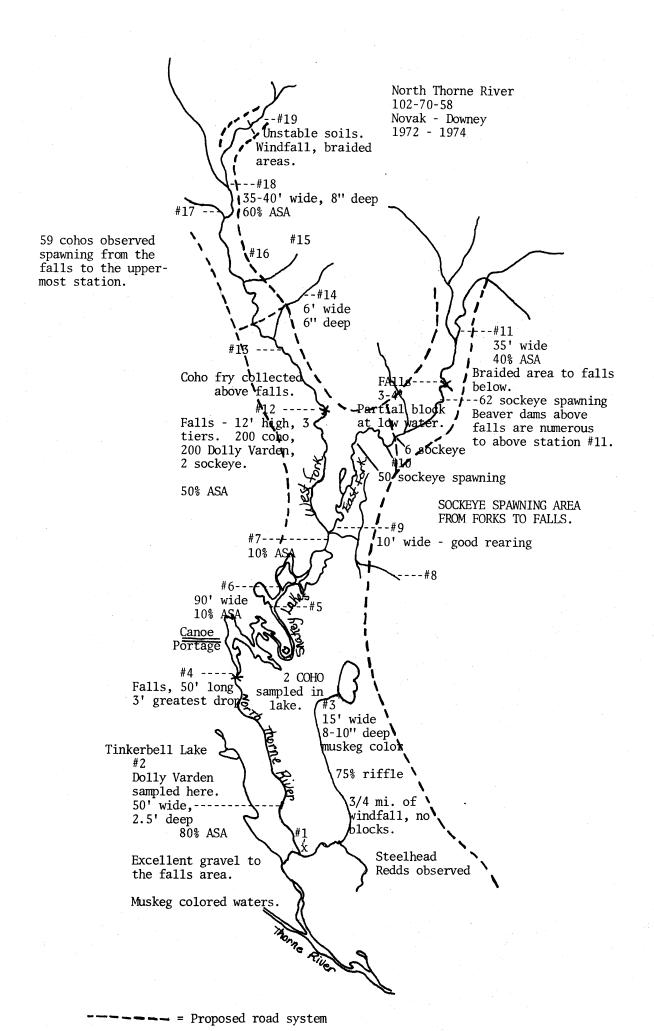
STREAM CATALOG NUMBER: 102-70-58

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 24, 1962				Fish present for four miles (A)
Aug. 31, 1964				30-40,000 in stream, present length of stream (A)
Aug. 16, 1965	10,000		Some coho	Good show of salmon at mouth. Stream low, fish in holes. 25
				reds present on July 20, 1965 (F)
Aug. 23, 1966	93,000			5,000 fish intertidally. Vis. good (A)
Aug. 28, 1967	300		20 coho	Vis. poor. Stream dark, pinks largely spawning (H)
Aug. 14, 1968	500			18-28,000 fish intertidally and in mouth, 12 balls of fish. Vis. good Fish in lower stream. (A)
Aug. 26, 1970	14,	000+		Fair show of jumps at mouth Vis. fair to poor (A)
Aug. 31, 1971	16,000+			More fish present in deep holes, but no count possible. Vis. poor. (H)
Sept. 5, 1972	39,100			Vis. poor. Many dead. 3,000 (H)
Aug. 29, 1973		N.O.		Too dark to survey, Vis. poor(A)
Sept. 11,1974		19,:	00	Many carcasses, spawning activity (A)
-				
			- 38 -	









Name North T	norne River	Catalog	No.	102-70-58	
Latitude		WK NO.	149		
Longitude		11 110.	_		
	No. Craig C-3 & D-3	Work Ar	ea <u>Ke</u> 1	tchikan - Thorne Bay	
	e of Wales Island	watersn	еа Ге	ngth 18 miles, bot	h forks
	of Watershed				
warer subbin	Type <u>Muskeg lakes, spri</u>	ings and ru	ino±±		
Trails & Surv	ey Routes <u>Extremely ha</u>	ird to surv	rev du	to heavy undergrow	th and doon
water. A long	system - survey with helic	conter.	cy due	co neavy undergrow	cii ailu ueep
Aerial Survey	system - survey with helic Notes Difficult to sur	vey due to	dark	water coloration.	Best during
low water condi	tions on clear days about	noon.			
Anchorage NO	NE - this is a tributary t	o Thorne F	River.		
Tide Stage Wh	en Surveyed <u>N/A</u>				
FISHERY RESOU	RCES				
Commercial	Fisheries Coho, pink,	chum, sock	eye.	All species observed	d except
King salmon.					
Escapement_	Opt. esc. 106,000 Histor	ric: socke	ye 118	3 (1972), coho 259(1	972), Refer
to Thorne Riv	ver section. Available	spawning a	area -	53,000 M ²	
Species Com	position <u>Coho - 90</u> %	, Sockeye	- 6%,	chum 3%, pinks - 1%	•
Mil w d to at	ata Ara Cant minka Trib	- A J.	C 4	0-4 -1	
Timing La	ate, Aug-Sept. pinks, July reas School below fal	1s expecie	Sept-	the west feels Dec	1 aa1man
also school	in Snakey Lakes.	.15 expecta	11y 01	the west lork. Rec	ı Saliiloli
Shellfish F	otential None - fres	hwater mol	lusks	found throughout the	e system
	20011011011011	Time del mel	145115	round enroughout en	e system.
Sport Fishe	ries Steelhead, cutthr	oat. Dolly	Varde	en and excellent coho	n nlus all
salmon specie	es. An excellent sport ti	sherv pres	ent.		
Land Use at	Present Logging is occ	urring on	the ea	est side of the water	rshed. Roauu
is being com	nleted as needed				
History of	Land Use <u>Limited loggi</u>	ng on lowe	r end	of watershed area.	
	Control of the contro	ecessary a	s coho	and Dolly Varden se	een above
<u>all the falls</u> Soils Un	nstable in the upper areas	of both f	orks	Land clide tracks	and V notah
areas numero		OI DOUL I	UIKS.	Land Strue tracks a	and v-notch
areas manore	A. J. 8	The state of the s			
GAME RESOURCES					
	77.0				
Bear'	Fish carcasses or bones	(old or fr	resh) (on banks, estimate m	many at talls
Coogo	Number of droppings Number seen on tide flat				numerous
Geese	Number seen up creek		ve hee	en seen on Snaky Lake	-
•	Number seem up creek Number of broods seen	GCCSC Ha	.vc bcc	on Seen on Shaky Lake	
Mallards	Number seen on tide flat	· c			2
THE LEE OF	Number seen up creek	, D			
	Number of broods seen				
Mergansers -	Number of broods seen				_
	Number seen along creek				3
	Number of nests seen and	location	Two a	at mouth of creek	2
Seals	Number seen at mouth of	stream	5	or or our.	The same of the sa
Tide flats -	Estimate length along be	each			
	Estimate depth out from				
	Eel grass present on wha	it percent	of fla	ats	The state of the s

\$	-					4											
8 1	i 1	1.	 		·	 -T	· 			· · · · · · · · · · · · · · · · · · ·							
ney			9	2/1	35'W 10''D	2	4/3	н	2		1				2	20	2
-15-74	62		15	2/1	5'W 4'D	3	4/3	1	2		1				2	ю	2
N c	1	Overcast	14	3/3	Q.,9	33	4	П	2		ı				~	ю	2
7-3-72	ture:		13	2/1	45'W 12'D	Н	4/3	Н	2		1-59				2	8	2
C rver Date: 7-	Temperature:	Weather:	12	171	75'W 10'D	Н	4	7	2		$\frac{1-200}{2-200}$	9-2			7	ъ	2/1
် င်) [-	3	Ħ	2/1	35'W 2'D	Н	3/4	2	н		1-11 2-55				2	22	2
		: i+.	10	2/1	45'W 2'D	Н	3/4	7	2		9-118				2	23	2
	ver		6	2/2	10'W 6''D	Н	3	3	1		1-1				H	3	2
FC	rne Ri	-58	8	2/2	10'W 6''D	н	3	2	1		1-1 4-1				-	3	2
JEN.	th Tho	102-70-58	7	2/1	40'W 2'D	Н	4/3	2	2	57	1				-	3	2
EAN	Name: North Thorne River	Number:	9	1/1	80'W 5'D	Н	4/3	3	Н	57	5-1			1		23	2
	Nam	N	2	1/1	75'W 5'D	н	5	25	н	57	1-33				,	7	2
o Sa A L			4	3/1	50'W 2.5'D	3	4	3	2	55	1-5					7	2
			3	3/2	15'W 2''9	3	4	3	2	54	2-1				_	3	2
			2	2/2	5'W 4''D	H	3/4	3		54	2-1				-	2	н
			1	2/1	15'W 9''D	23	4	3	2	54	I-7 5-12				H	2	2
			Station No.	Pool Size/Type	Riffle Type Width-Depth	Pool Riffle Frequency	Bottom Type (Riffle)	Color/Turbidity	Velocity	E Control Control	lemperature	Fry Abundance pH	Flow	Benthos Sample No.	Higher Plant Class	Aquatic Veg. Density	Ident. (1) Mosses (2) Algae

General Remarks (rehab., land use, barriers, log jams, etc.):

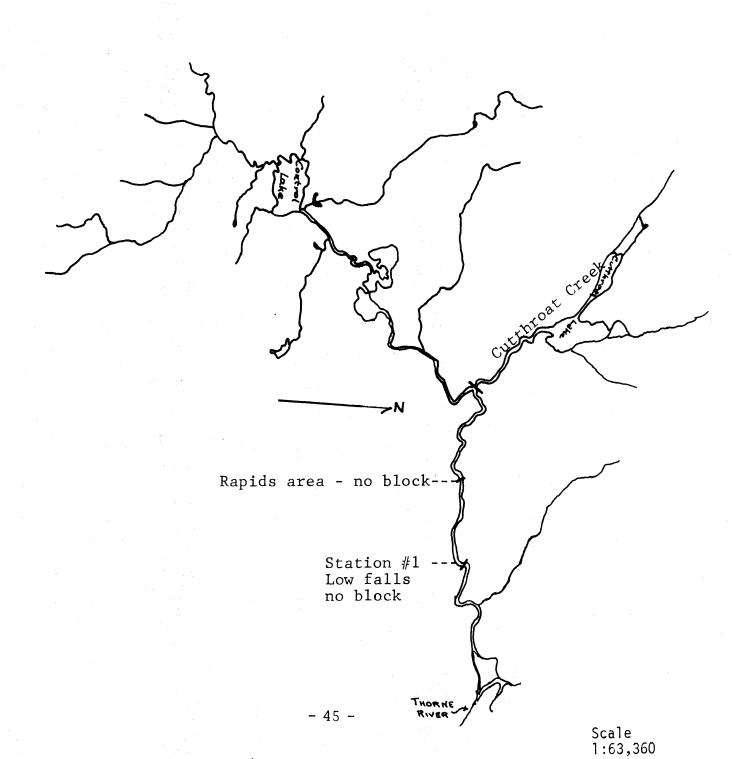
Station: 4. Falls - 3 to 4'. No rehab. needed.

12. Falls - 12' - possible ladder installation. 10. Falls - 4'. Low flow barrier Low flow barrier 11. Windfall heavy to the falls. Potential silt problem if logged. STATION:

- Dow.	62°									•				·	en <u>k</u> emen og kannen og kenne og kenne	
Novak and 7-1	1															
1 "	7 12															
Observers:	Temperature: Weather: Ove			2 2												
Obs Dat	Ten										-				<u></u>	
	Tennante de la Contraction de															
	COTTO NETT NETTO AND ADMINISTRA															
	yer	- Charles					•									
Y FORM	ne Ri 38															
	h Thor 2-70-5								-					***************************************		
STREAM INVEN	Name: North Thorne River Number: 102-70-58															
STRE	Name Numb															
		A COLOR OF THE PARTY OF THE PAR														
		19	3/2		3	4/3	1	2		ral				2	3	2
		18	3/2	40'W 8'' D	23	4/3	-	2		- several				2	3	2
		17	3/2	30'W 8'' D	20	4/3	Н	2			7			2	3	2
		1 1		<u> </u>	<u> </u>	I		<u></u>	1	1	'	.1		1	<u>.</u>	
Section 1	Page 2.	Station No.	Pool Size/Type	Riffle Type Width-Depth	Pool Riffle Frequency	Bottom Type (Riffle)	Color/Turbidity	Velocity	Temperature	Fry Abundance	Hd	Flow	Benthos Sample No.	Higher Plant Class	Aquatic Veg. Density	Ident. (1) Mosses (2) Algae
		01	1-4	H4 12	нн	, , , , , , , , , , , , , , , , , , , 	_		-						4 1-4	

General Remarks (rehab., land use, barriers, log jams, etc.):

Controll Creek and Associated Tributaries 102-70-58 7-1-74 Novak - Downey



Cutthroat Creek 102-70-58 6-26-74 Novak An excellent coho rearing stream with potential for heavy sockeye spawning and rearing in the lake. Recreational potential is excellent with high aesthetic values. 1/2 mile above Lake all excellent for fisheries. Valley walls colse --2 coho fry seen Poo1 - 3-4' deep -Trap #4 -Seined 16 coh Soils stable, gravel from pool bottom throughout the surveyed section. --Trap #3 75% riffle 25% pools **SPRUCE** SPRUCE -Trap #2 Pools - 3-4' deep less than width of stream. Exdelleht coho --Trap #1 rearing tributary. Excellent riffle areas. 8-10" deep 40' wide Coho fry sighted 80% ASA Sockeye salmon remains found here X Cutthroat from bear. Dolly Varden sample here. LAKE CUTTHROAT **-** 46 -

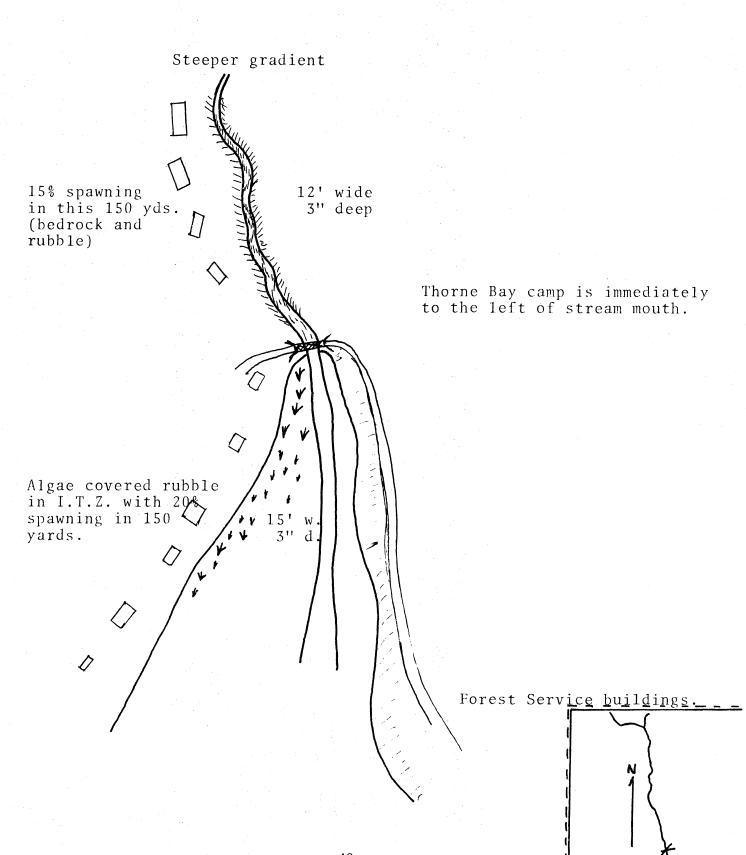
Name <u>Cutthroat</u>	t Creek - Control Systemtalog No. 102-70-58	-
Latitude	55° 41' 49" WR No. 149	
Longitude	132° 35' 27" K No. 184	
Geodetic Map 1	No.Craig C-3 & D-3 Work Area Ketchikan - Thorne Bay	
Location Princ	ce of Wales Island Watershed Length 3 miles	
Drainage Area	of Watershed 12 miles square	
Water Supply T	Type Lake system. Springs, precipitation.	_
Trails & Surve	ey Routes An easy creek to foot survey. Land fixed wing	
on Cutthroat	Lake and taxi to creek mouth.	
Aerial Survey	Lake and taxi to creek mouth. Notes Heavy canopy making aerial survey impossible.	
Anchorage	N/A	
		_
Tide Stage Whe	en Surveyed N/A	
FISHERY RESOUR	RCES	
Commercial I	Fisheries Sockeye and coho - important coho rearing area	
on stream w	ith possible sockeye rearing in lake.	-
Escapement	Unknown at this writing	-
Available s	pawning area - 47.579 M ²	_
Species Comp	position Unknown Available spawning area - 14,715 M ²	
		_
Timing Ju	ly-August-Sockeye Coho - late (September-October)	-
Schooling a	reas Unknown	
Shellfish Po	otential None	
Sport Fishe:	ries Dolly Varden, cutthroat, coho and possibly steelhead	
Land Use at	Present None - but is being planned as part of the	-
	de planning unit associated with the U.S. Forest Service.	unun d .
History of	Land Use None	
Dobobilitot	ion Potential Unreaseasmy as the great is free of windfal	 1
nenabilitiat	ion Potential <u>Unnecessary as the creek is free of windfal</u>	1
	ble soils along the banks.	
	ble adjacent to the stream and lake but potential problem c	ould
occur with	roading and logging on slopes of this valley.	
GAME RESOURCES		
Bear	Fish carcasses or bones (old or fresh) on banks, estimate 4	
	Number of droppings 1	
Geese	Number seen on tide flats 0	
	Number seen up creek (on lake) 17	
	Number of broods seen 0	
Mallards	Number seen on tide flats 0	-
	Number seen up creek 0	-
	Number of broods seen 0	
Mergansers -	Number of broods seen 0	~ '
Bald Eagles-	Number seen along creek 0	-
	Number of nests seen and location 0	
Seals	Number seen at mouth of stream 0	
	Estimate length along beach 0	-
	Estimate depth out from beach 0	
	Eel grass present on what percent of flats 0	

		S	STREAM INVEN		Y FORM		g g	Observers: Date: 6-27	s: N(-/2-9	0	- Dd	Ze Ze	
		Na Nu	Name: Control Cre Number: 102-70-58	trol C 32-70-	Creek)-58		Te	Temperature: 5 Weather: Cloudy	ure: Clou	55 dy -	calm		
Station No.	1												
Pool Size/Type	3/1					·							
Riffle Type Width-Depth	97'W 1-2'D												
Pool Riffle Frequency	3						9						
Bottom Type (Riffle)	7												
Color/Turbidity	I												
Velocity	2												
Flow (C.F.S.)	386.85						- 1						
Temp. (°F.)	97												
Hd	2												
Fry Abundance	2- 1 -2 4-8												
Benthos Sample No.													
Higher Plant Class	2												
Aquatic Veg. Density Ident. (1) Mosses	3												
		,											

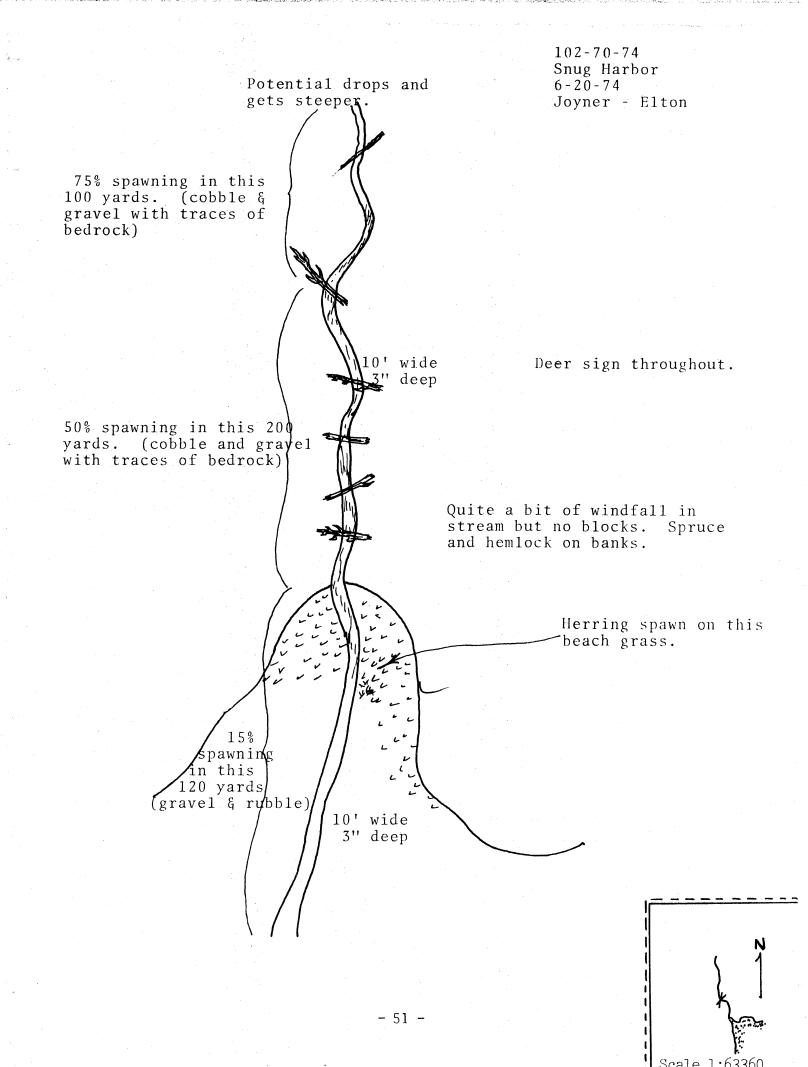
General Remarks (rehab., land use, barriers, log jams, etc.):

This station taken above the lower falls. Sockeye, cutthroat, Dolly Varden were observed at the low falls. The falls is not a barrier and the entire stream is open to upstream fish migrations. No rehab. necessary

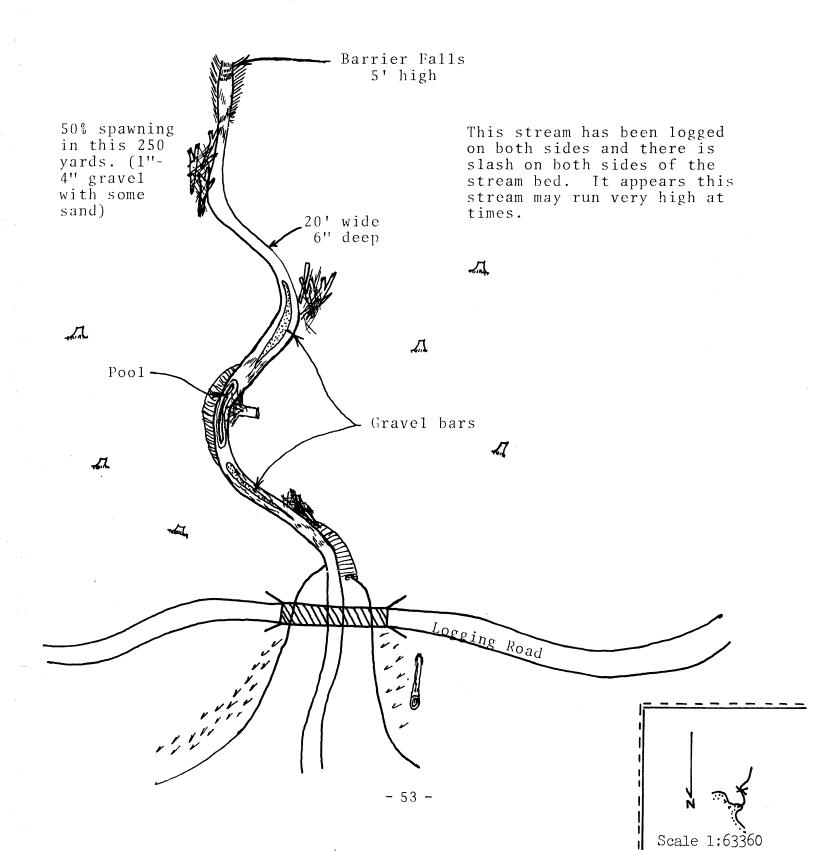
102-70-70 Deer Creek 6-19-74 Joyner - Elton



Name Deer Creek		Catalog No	102-70-70	Marie Control of the
Latitude N 55° 41' 0	4"	WR No.		
Longitudew 132° 31 ° 0	2"	K WO.		
Geodetic Map No. C	raig C-2	Work Area Keto	hikan	
Location Thorne Bay Drainage Area of Wa		watershed Leng	th	
Drainage Area of Wa	tersned			
Water Supply Type	Spring and runoff			and the second s
Trails & Survey Rou	tes Walk in			
Acrial Survey Notes	Dark rock on bot	tom	a stand transcription of the filtred by sold and the sold of the stand of the stand of the stand of the sold of the stand	propries in interpretation of the second sec
Anchorage Tie up at 1	ogging camp adjacer	nt to stream (See (Coast Pilot for entr	ance to
Thorne Bay) Tide Stage When Sur	7/4 £1			
	veyeu 1/4 f100	οα		
FISHERY RESOURCES				
Commercial Fisher	ies No data			
Escapement Availa	hle spawning area	(ITZ) - 125 M ²	The state of the s	
Estapolito Availa	(st	$(ceam) - 75 M^2$	and the second s	
Species Compositi	on No data			
	· ·			
Timing No data				
Schooling areas	No data			
Shellfish Potenti	al None - rocky			V
Sport Fisheries N	o data			
Land Use at Prese	nt Logging camp		· · · · · · · · · · · · · · · · · · ·	
History of Land V	Ise Logging			
THE COLY OF Edita	10991119			
Rehabilitation Po	tential None .	•		•
Soils Stable to poi	nt walked			
CANCE DESCRIPTIONS				
GAME RESOURCES				
Bear Fish o		(old or fresh) on	banks, estimate	0
	r of droppings		·	
	r seen on tide flat	ts		0
	seen up creek			0
	r of broods seen r seen on tide fla	f a	-	0
•	r seen up creek	65	_	
	r of broods seen			0
Mergansers - Number				
Bald Eagles- Number				0
	r of nests seen an		• • • • • • • • • • • • • • • • • • •	0.
Seals Number	r seen at mouth of	stream	-	
Tide flats - Estim			• 	
	ate depth out from			
Eel g	rass present on wh	at percent of flat	SS .	0

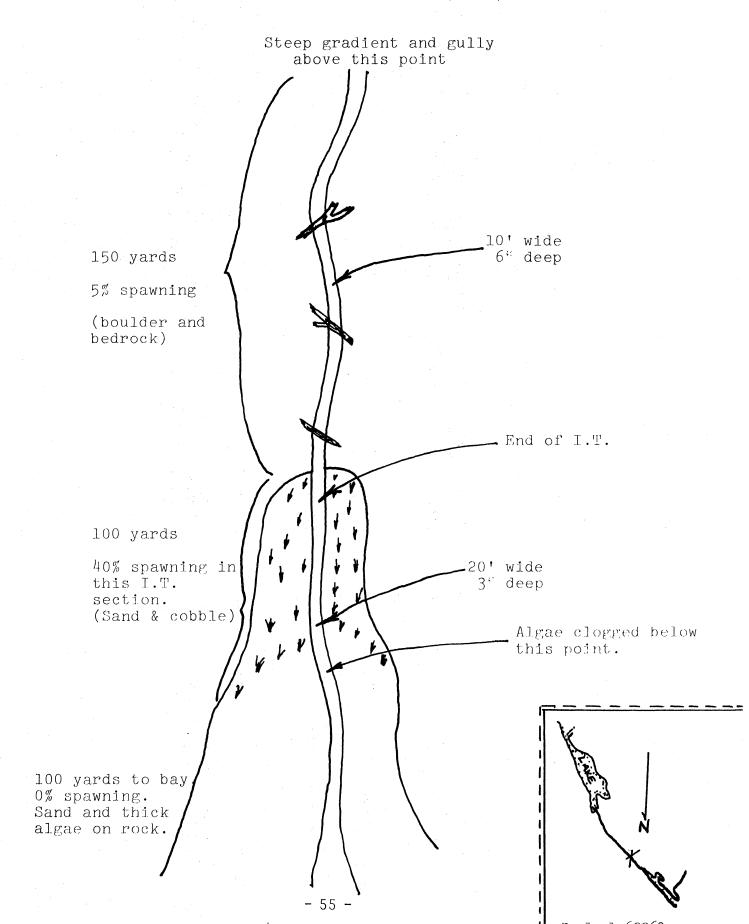


TRANS.		Catalog No102-70-74	
LatitudeN_	55° 42' 42"	WIL NO.	
Longitude wi	32° 29' 02"	N NO.	
deoderic Map I	No. Craig C-2	Work Area <u>Ketchikan</u>	
Drainage Area	of Snug Harbor of Watershed	Watershed Length	
Water Supply	Type Chrise and runoff		
maror bupping	13 PC Spiring and runori		
Trails & Surve	ey Routes Walk in str	eam	
Aerial Survey	Notes Not feasible -	overstory	
Anabana na m-	1 t t t t t	rea is in Tolstoi Bay (see Co	and Pilot)
And not age me	best anchorage in the a	rea is in loistor bay (see co	pase l'iloc)
Tide Stage Wh	en Surveyed 1/4 fl	.ood	
FISHERY RESOU			
	Fisheries No data		
oonmor oracle			
Escapement	Available spawning	area (ITZ) - 50 M ²	
Species Com	position No data		
Timing No da			
Schooling a	reas No data		
Shellfish P	otential Possible -	- mud flats	
~			
Sport Fishe	ries No data		
Land Use at	Present None		,
Tita bassa a O	Land Use None		
niscory of	Land Use None		
Rebabilitat	ion Potential None		
1.0110001111000	I o o o o o o o o o o o o o o o o o o o		· · · · · · · · · · · · · · · · · · ·
Soils Stable	e to point walked		·
GAME RESOURCES			
Bear	Fish carcasses or bone	es (old or fresh) on banks,	estimate
	Number of droppings	so (ora or fresh) of banks,	0
Geese	Number seen on tide fl	lats	
	Number seen up creek		
	Number of broods seen	•	0
Mallards	Number seen on tide f	lats	0
	Number seen up creek	$\mathbf{x} = \mathbf{x}_{\mathbf{y}}^{T}$	0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
Pald Eagles-	Number seen along cree		0
	Number of nests seen		0
	Number seen at mouth		0
Tide flats -	Estimate length along		port.
	Estimate depth out from		part.
	Eel grass present on	what percent of flats	0

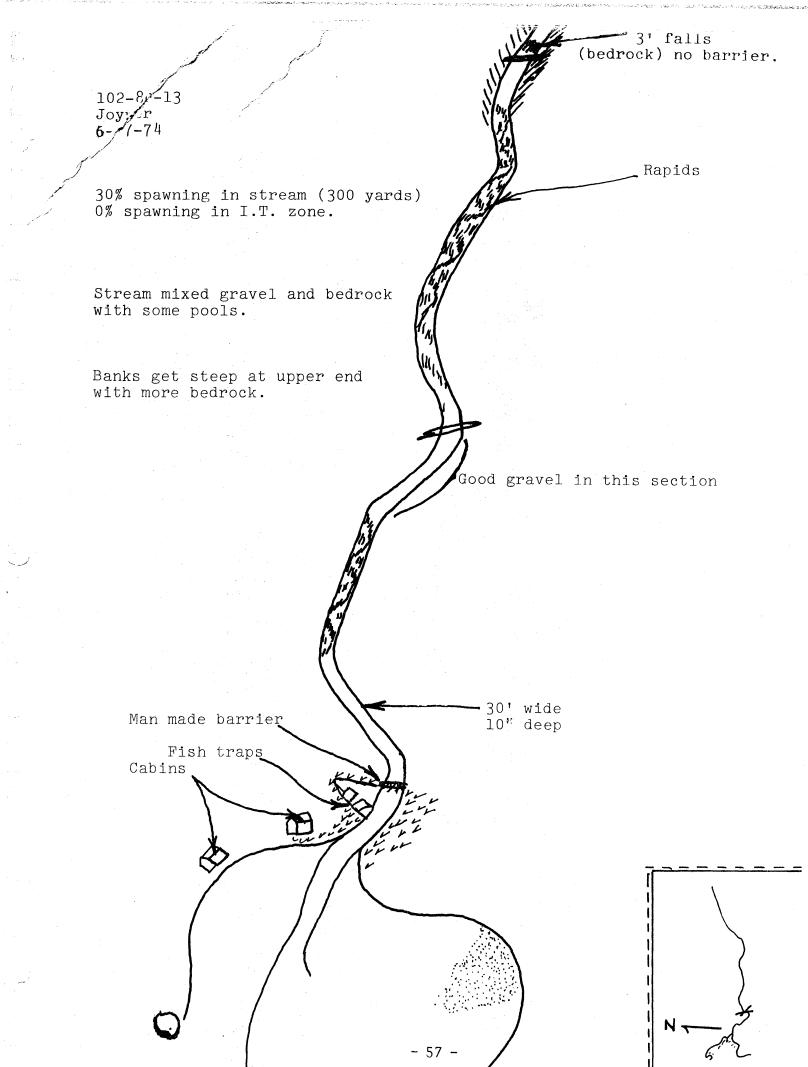


Name		Catalog No	102-70-78	
Latitude N	55° 45' 16"	WR No.		
Longitude W 1	32° 29' 41" No. Craig D-2 mi. So. of Narrow Pt. of Watershed	K No.		
Geodetic Map	No. Craig D-2	Work Area K	etchikan	
Location 2.6	<u>mi. So. of Narrow Pt.</u>	Watershed Len	gth	
water Supply	Type <u>Spring and ru</u>	inott	ما والمراجعة المراجعة	
Trails & Surv	ey Routes <u>Walk in S</u>	Stream.		
Aerial Survey	Notes -			
	nchor in Tolstoi Bay			
Tide Stage Wh	en Surveyed Flood			
FISHERY RESOU				
Commercial	Fisheries <u>No data</u>			
Escapement_	Available spawning area	- 348 M ²		I.T. not
Species Com	cause of tide. position No data			
Timing N	lo data	Nillider G. Antaribir pendin M. Well of the basis (Miles). Algorium for the literature and province describers		
Schooling a	reas No data			
Shellfish P	otential <u>None - roc</u> k			
Sport Fishe	ries No data			
Land Use at	Present None			
History of	Land Use Logged re	cently		
Rehabilitat	ion Potential None			
Soils Sta	ble to point walked.			
	ngayangan kanangaya daga ngangan kanan kanan sa 100 km/m balangan menan 100 km/m 100 km/m 100 km/m 100 km/m 10			
GAME RESOURCES				
Bear	Fish carcasses or bones Number of droppings	(old or fresh) on	banks, estimate	0 0
Geese	Number seen on tide flat	SS		0
	Number seen up creek			0
•	Number of broods seen			0
Mallards	Number seen on tide flat	S		0
	Number seen up creek			0
	Number of broods seen			. 0
_	Number of broods seen			0
Bald Eagles-	Number seen along creek			0
· .	Number of nests seen and			0
	Number seen at mouth of			. 0
Tide flats -	Estimate length along be			
	Estimate depth out from		. ~	
	Eel grass present on wha	to percent of ilat	S	U

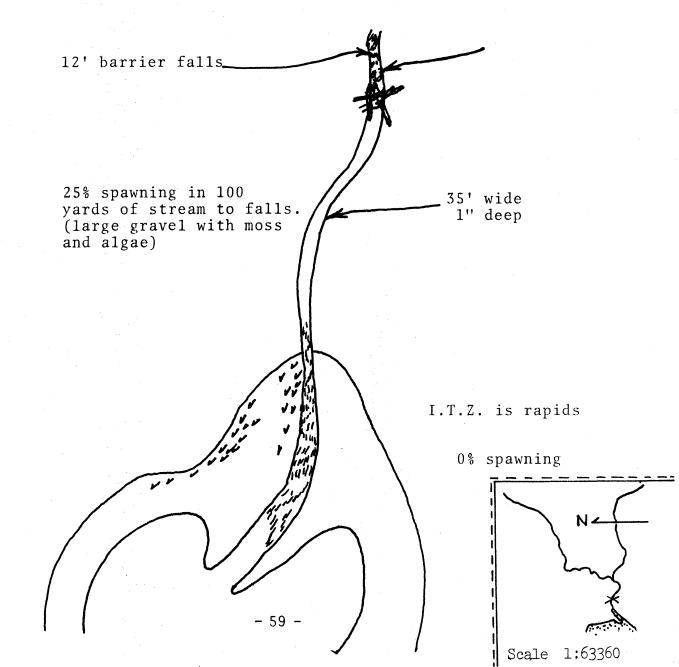
Meyer's Stream 102-80-05 Elton and Joyner 6-18-74



Hame Meyer's Str	eam	Catalog No102-80-	0.5.
Longitude W 132	° 14' 32"	WR No. K No. Work Area <u>Ketchikan</u> Watershed Length	
Geodetic Map N	O·Craig C-l	Work Area <u>Ketchikan</u>	
Location Head of	Meyers Chuck	Watershed Length	
Water Supply T	ype <u>Muskeg, runoff and</u>	springs	
Trails & Surve	y Routes walk in stream	l	
Aerial Survey	Notes Not feasible due	to overstory ·	
Anchorage Tie	to float in Meyers Chuck		
Tide Stage Whe	n Surveyed 1/2 flood		
FISHERY RESOUR	CES		
	isheries <u>No data</u>		
Escapement	Available spawning	area (stream) - 40 M ²	
		(ITZ) - 444 M ²	
	osition No data		
Timing No.	data Pas No data		
Schooling ar	eas No data		
	AVC ACC		
Shellfish Po	tential <u>sand and silt i</u>	n front of mouth - has po	tential
Sport Fisher	ies <u>No data</u>		
		vicinity but homes from M	eyers Chuck
just around th	ne corner		
History of I	and Use <u>None</u>		
Pohohilitoti	on Potontial		
renabilities	on Potential None		
Soils a 11	to point walked		
Stable	to point walked	rade the same of a management of the same than the same of the state of the same of the sa	
ala an ar an	ang diangkang manggang ang ang gang an araw dia mang ang ana ana ana an an an an an an an an ang ang		1
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on banks,	estimate o
	Number of droppings		1
	Number seen on tide flat	ts	0
	Number seen up creek		
	Number of broods seen		
Mallards	Number seen on tide fla	ts:	
	Number seen up creek	\	
	Number of broods seen	•	
	Number of broods seen		
Baid Eagles-	Number seen along creek		
Coc7 ~	Number of nests seen an		
	Number seen at mouth of		per a constitution of the
TIGE ILAUS -	Estimate length along b		event need in the selection of the selec
	Estimate depth out from		The state of the s
	Eel grass present on wh	at percent of itats	0

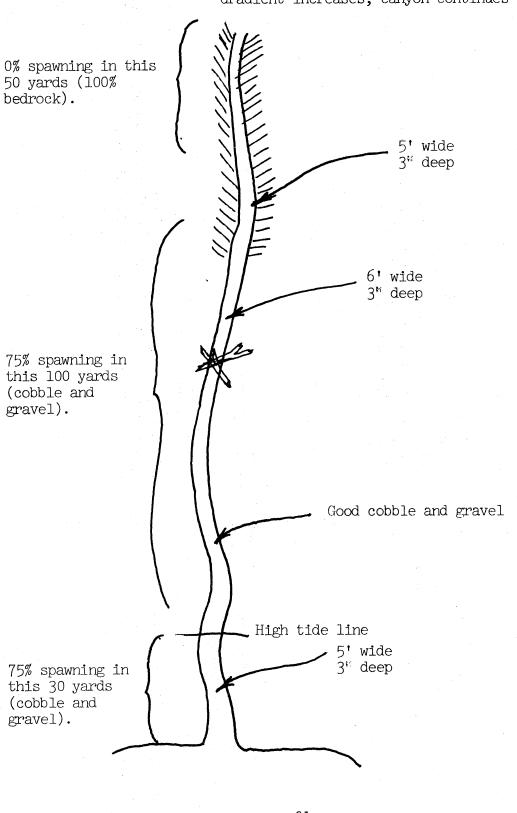


Name		Catalog No.	102-80-13	
Latitude N	55° 39' 05"	WR No.		
Longitude w	7 7 2 9 9 7 7 1 5 2 1	I NO.		
Geodetic Map N	O. Craig C-l	Work AreaK	etchikan	
Location West	side Cleveland Penn.	Watershed Lengt	ch	
Drainage Area	of Watershed			
Water Supply T	yps Spring and rur	off		
Trails & Surve	y Routes Walk i	n stream.		
Aerial Survey	Notes			
Anchorage C1	osest good anchorage	<u>is Meyers Chuck</u>		
made Ode en Ma	2.4	1. 1. •		
Tide Stage Whe	en Surveyed <u>3/4 e</u>	bbing		
FISHERY RESOUF	RCES			
Commercial F	isheries No data			<u> </u>
Escapement_	Available spawning area	– 752 M ²		
Species Comp	osition No data			
			199	
Timing No	data eas No data			
Schooling ar	eas <u>No data</u>			
Challfich De	tontiol None	1		
SHETTITSH FC	otential <u>None - roc</u>	ку		
Sport Fisher	ries No data			
ppor o rabilea	res_no data			
Land Use at	Present None			
History of I	Land Use Man-made f	ish traps in ar	ea.	
Rehabilitati	ion Potential <u>none</u>			
Soils <u>St</u>	able to point walked.			
GAME RESOURCES				
Bear	Fish carcasses or bones	(old or fresh) on h	nanks estimate	0
	Number of droppings	(old of fichil) of t	ocumo, counidoc	0
	Number seen on tide flat:	3		0
	Number seen up creek			0
	Number of broods seen			0
Mallards	Number seen on tide flat	5		0
	Number seen up creek		· · · · · · · · · · · · · · · · · · ·	0
	Number of broods seen			. 0
Mergansers -	Number of broods seen			0
Bald Eagles-	Number seen along creek			0
· · · · · · · · · · · · · · · · · · ·	Number of nests seen and	location		0
	Number seen at mouth of			0
Tide flats -	Estimate length along be		•	
	Estimate depth out from			-
	Eel grass present on wha	t percent of flats	-	0



Name		Catalog No	102-80-17	
Latitude 1	N 55° 37' 07" N 132° 11' 31" No. Craig C-1	WR No.		
Longitude I	N 132° 11' 31"	K No.		
Geodetic Map 1	√o. Craig C-1	Work Area Ketch	ikan	
DOUGUTON I 4/.	LU MII. N.N.E. DHID IS.	, water blied helie	Q11	
Drainage Area	of Watershed			
Water Supply !	of Watershed Type Lake, spring ar	nd runoff		
Trails & Surve	ey Routes <u>Walk in s</u>	tream		
Aerial Survey	Notes Not feasible).		
Anchorage Me	eyers Chuck			
Tide Stage Whe	en Surveyed Low			
FISHERY RESOUR	RCES			
Commercial 1	Fisheries <u>No data</u>			
Escapement_	Available spawning area	-60 M^{2}		
		•		
Species Com	position <u>No data</u>			
Timing No	data reas <u>No data</u>			
Schooling a:	reas No data			
<u> </u>	N			
Shellish P	otential None - 1	тоску		
Chart Figha	ries No data			
Sport rishe.	ries No data			
Land Use at	Present None			
			Named and Printed Part of the Control of the Angle State of the Control of the Co	-
History of	Land Use None			
				Annual Control of the
Rehabilitat	ion Potential Nor	ne		
SoilsS	table to falls.			
GAME RESOURCES				
Roan	Fish carcasses or bones	(old on freah) on i	honka oatimoto	0
DCCL	Number of droppings	(ord or itesit) on	Jaims, escillate	0
Geese	Number seen on tide flat	2		 0
deebe	Number seen up creek			 0
	Number of broods seen			 0
Mallards	Number seen on tide flat	S		
	Number seen up creek			
	Number of broods seen			0
Mergansers -				0
-	Number seen along creek			
	Number of nests seen and	location		0
Seals	Number seen at mouth of			0
	Estimate length along be		•	
	Estimate depth out from			
	Eel grass present on wha			0

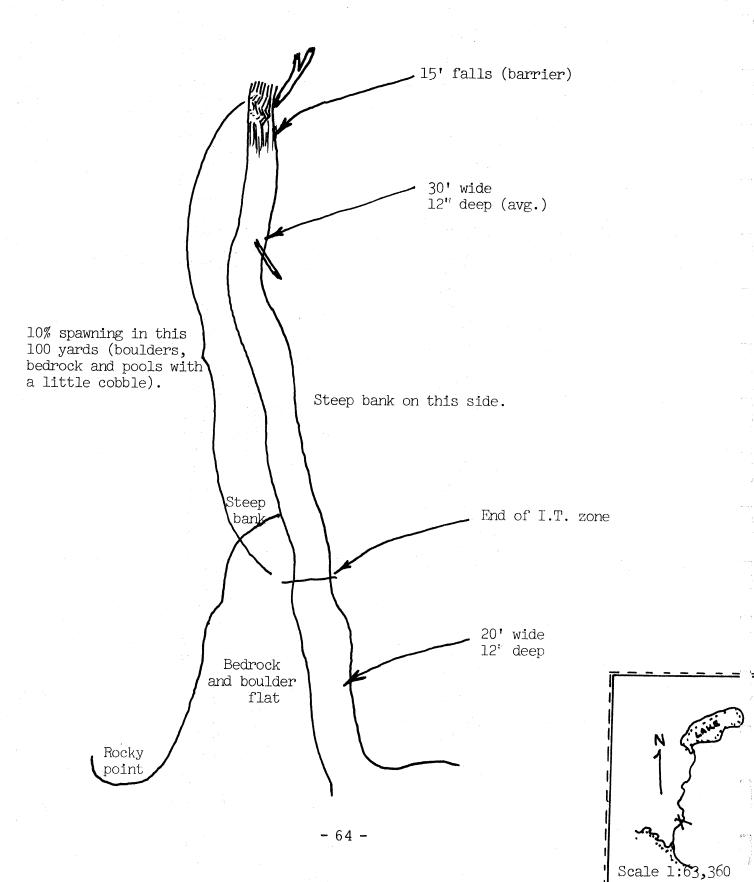
Gradient increases, canyon continues



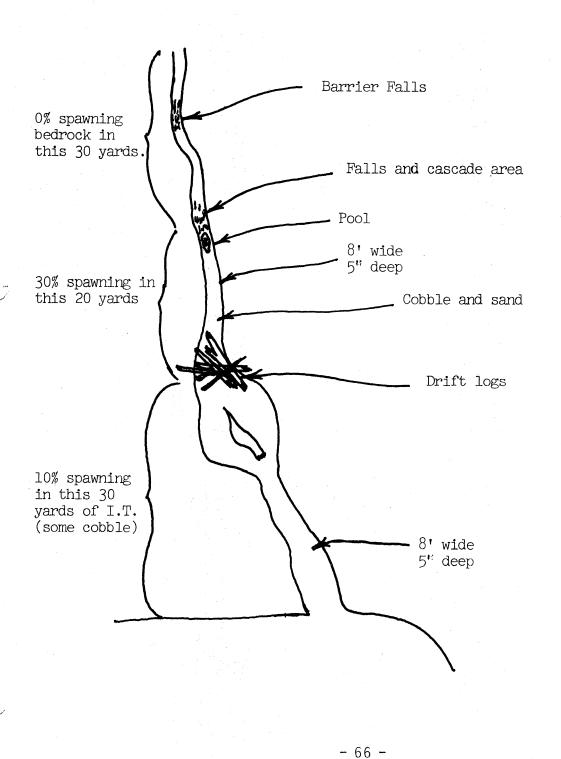
Name	Catalog No	
Latitude N 55° 35' 51*	WR No.	
Longitude W 132º 11' 16" Geodetic Map No. Craig C-1	1, 110.	
Geodetic Map No. Craig C-1	Work Area Ketchikan	
Location <u>directly East of Ship Island</u> Drainage Area of Watershed	Watershed Length_	
Drainage Area of Watershed		
Water Supply Type Spring and runoff		
Trails & Survey Routes Walk in str	eam.	
Aerial Survey Notes Not feasible		
Anchorage <u>Closest good anchorage in</u>	Mayone Chiale	
OTODORA POOR UNIONABE III	TICYCIS ORICK	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Tide Stage When Surveyed <u>High</u>		
FISHERY RESOURCES		-
Commercial Fisheries No data.		
Commercial risheries No data.		
Escapement Available spawning a	rea - 157 M ²	
and the control of th		
Species Composition No data		
Timing No data		
Schooling areas <u>No data</u>		
Shellish Potential None (rock	у)	
Sport Fisheries No data		
Land Use at Present None		
History of Land Use None		
Renabilitation Potential None		
Soils stable to point walked.		
Stable to point warked.		
GAME RESOURCES		
Bear Fish carcasses or bones	(old or fresh) on banks, estimate	0
Number of droppings		0
Geese Number seen on tide flat	<u></u>	0
Number seen up creek	and the second s	0
Number of broods seen		0
Mallards Number seen on tide flat	JS	0
Number seen up creek		0
Number of broods seen		0
Mergansers - Number of broods seen	and the second s	0
Bald Eagles- Number seen along creek	n n	0
Number of nests seen and		0
Seals ——— Number seen at mouth of		0
Tide flats - Estimate length along be		
Estimate depth out from		_
Eel grass present on wha	to percent of itats	0

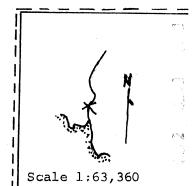
Name	Catalog No102-80-21	
Latitude N 55° 33' 25"	WR No.	
Longitude W 1320 071 47th	K NO.	
Geoderic Map No.	Work Area Ketchikan	
Location 7/10 m. north of Niblack Pt.	watershed Length	
Drainage Area of Watershed		
Water Supply Type Lake		
Trails & Survey Routes Walk on le	ft side of creek.	
Trails & burvey houses wark on te	it side of creek.	
Aerial Survey Notes Some deep hol Easiest to survey by foot.	es at lower end of I.T. Some deep spots in st	ream
Anchorage Closest safe anchorage in	Meyers Chuck.	
Tide Stage When Surveyed High		
FISHERY RESOURCES		
Commercial Fisheries No data		
Escapement Available spawning a	area - 83 M ²	
Species Composition No data		
		timupusupus
Timing No data		
Schooling areas No data		
Shellfish Potential None - roc	·ky	
Sport Fisheries No data (rainb	ows in lake)	
Land Use at Present None		
History of Land Use None		·
		·
Rehabilitation Potential Non	e	
Soils Stable to point walked.		
GAME RESOURCES		
	s (old or fresh) on banks, estimate0	
Number of droppings Geese Number seen on tide fl	ats <u>2</u>	
Number seen up creek	0	-
Number of broods seen		
Mallards Number seen on tide fl		
Number seen up creek	0	
Number of broods seen		
Mergansers - Number of broods seen		
Bald Eagles - Number seen along cree		
Number of nests seen a		
Seals Number seen at mouth o		
Tide flats - Estimate length along		····
Estimate depth out fro		····
Eel grass present on w		

A very swift stream



Name		Catalog No. 102-80-24	
Latitude N	55° 32' 20"	WR No.	
Longitude <u>W</u>]	32° 02' 30''	K No.	
Geodetic Map	No. Craig C-1	Work Area <u>Ketchikan</u>	na ingganistina na managan na man
Location midwa	<u>y between Niblack & Caam</u>	WR No. K No. Work Area <u>Ketchikan</u> an Wates rshed Length	
Drainage Area	of watersned		
water Supply	Type Spring and runoff		
Trails & Surv	ey Routes Walk in on	eek.	
TIGILIS & DUIV	wark in ci		
Aerial Survey	Notes Not feasible.	heavy overstory.	
• • • • • • • • • • • • • • • • • • •			
Anchorage N	lo safe anchorage in imme	diate vicinity.	
Tide Stage Wh	en Surveyed <u>High</u>		
FISHERY RESOU	RCES		
	Fisheries No data		
Escapement_	Available spawning	area - 6 M ² (ITZ)	
		- 13 M ² (stream)	
Species Com	position No data	area - 6 M ² (ITZ) - 13 M ² (stream)	
III i m i m m Nic	Ja+a		
Schooling a	reas No data		
Shellfish P	otential None (r	ocky)	
Sport Fishe	ries <u>No data</u>		
Land Use at	rresent <u>None</u>	7	
History of	Land Use None		
			
Rehabilitat	ion Potential <u>None</u>		
Soils Stabl	e to point walked.		
***************************************			-
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate	0
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Number of droppings		0
Geese	Number seen on tide fla	ts	0
	Number seen up creek		0
7.4 T T T	Number of broods seen	. The second of	0
Mallards	Number seen on tide fla	ts	0
	Number seen up creek Number of broods seen		0
Mergansers -	Number of broods seen	en de la companya de Companya de la companya de la compa	0 0
_	Number seen along creek	en e	0
THE THE TOTAL	Number of nests seen an		0
Seals	Number seen at mouth of		- <u>ö</u>
Tide flats -	Estimate length along b	each	0
	Estimate depth out from	the state of the s	0
	Eel grass present on wh	at percent of flats	0





0.0

ACKNOWLEDGMENTS

Gerry Downey, Pink Salmon Research, provided much of the foot work during field surveys. The catalog library was kept current with the assistance of Sharon Peterson and Karen Crandall. Thanks is also extended to G.L. Finger, June Grant and J.C. McMullen for their assistance in publication and planning.

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